

Date: December 14, 2017

From: Wight Construction Services, Inc.
2500 N. Frontage Road
Darien, IL 60561

To: Bidders for the *Oak Brook Park District- Central Park Improvements*

SUBJECT: ADDENDUM NO. 1 TO THE BIDDING DOCUMENTS FOR:
Oak Brook Park District – Central Park Improvements
Bid Group #1 Bid Packages 1 - 19

Project No. 07-5646-04

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents. Acknowledge receipt of this addendum in the space provided on the Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

QUESTIONS AND ANSWER LOG

BID SCOPE

SPECIFICATIONS:

None.

DRAWINGS:

SD1.02

1. Revised note for asphalt paving removal at end of parking to lot indicate removal of base as well.
2. Revised note for abandoning pipe to indicate cutting and removal of pipe to the edge of pavement and removal of concrete end sections.
3. Revised limits of asphalt path removal at north end of path.
4. Revised note for culvert removal at south of the ballfield to indicate removal of flared end sections
5. Revised limits of infield mix removal.
6. Revised limits of turf removal on south east field.

SD2.01

1. Revised position and length of new fence in left field to better align fence and net.
2. Updated Dimensions on concrete steps south west of ball field

SD2.03

1. Extended ADA ramp and tactile warning strip. Indicated side curbs on ramps and added detail reference

SD2.04

1. Removed 'surface mount' from Concerto musical equipment note. Musical equipment shall be installed according to manufacturer's specifications.

2. Added tag and detail call out for thickened edge walk.

SD2.05

1. Corrected alternate labels

SD3.01

1. Storm Sewer and Structure Revisions. Revised inverts, pipe sizes, slopes and structure information.
2. Additional detail regarding paver underdrain, wall underdrain provided. All subgrades for paver areas shall slope at a minimum 0.50% towards underdrain locations.
3. Provided Additional spot shot details and updated grading.
4. Infield Grading shall be laser graded to provide positive drainage and be accurate.

SD3.02

1. Provided Additional spot shot details and updated grading.

SD3.03

1. Storm Sewer and Structure Revisions. Revised inverts, pipe sizes, slopes and structure information.
2. Additional detail regarding paver underdrain, wall underdrain provided. All subgrades for paver areas shall slope at a minimum 0.50% towards underdrain locations.
3. Provided Additional spot shot details and updated grading.
4. Infield Grading shall be laser graded to provide positive drainage and be accurate.

SD3.04

1. Provided Additional spot shot details and updated grading.

SD3.05

1. Provided Additional spot shot details and updated grading.

SD3.07

2. Rip Rap Layout revised at north parking lot area.

L1.01

1. Revised seeding areas.
2. Revised hatch patterns for clarity.

L1.03

1. Revised seeding area around compensatory storage area.

DETAILS

1. 10/SD4.01- ASPHALT PAVING PEDESTRIAN- revised depth of binder course.
2. 11/SD4.01 – PLAY SURFACING- POURED IN PLACE- Indicated depth of base course. Revised subgrade pitch note.
3. 10/SD4.02 – RUBBER TILE- Added detail.
4. 1/SD4.03 – CONCRETE STEPS- Added additional risers and rail post.
5. 4/SD4.05 – WALL ELEVATION A- Added elevations to top of wall
6. 5/SD4.05 – WALL ELEVATION B- Added elevations to top of wall
7. 7/SD4.05 – DUGOUT ELEVATION- Added middle rail to fence panel on side of dugout

8. SD4.07 – Detail sheet added with wood enclosure and accessible curb ramp.
9. SD4.08 Detail Sheet added for specific Permeable Paver BMP #1 area located at the north parking lot. Contractor to slope subgrade as specified and verify BMP Volume required per County Code with as-built topo survey.
10. SD4.09 Detail Sheet added with the following details: 2' Inlet, 3' Catch Basin/Inlet, Curb Cut Detail and Nyloplast Drain Basin Detail.

SUBSTITUTION

1. The follow manufacturer is approved as a substitution for CAST STONE
 - a. Marcstone

SPECIFICATIONS:

None.

This Addendum consists of the following: Twenty Six (26), 8 ½"x11, and Twenty Two (22) 11 x 17 pages.

END OF ADDENDUM 00901



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Project Name: Oak Brook Central Park Improvements

Project Number: 07-5646-04

BID GROUP 1 – QUESTION AND ANSWER LOG #1

The following clarification information is provided in response to questions received in accordance with the bid documents for the following Bid Packages. All trades will be responsible for all questions and answers listed.

Bid Packages: 1 thru 9

Bid Group: 1

#	Questions	Answers
1	Please provide fence details for the wooden trash enclosure fence and gates.	Fence details have been provided with this addendum
2	Please advise if the ornamental fence as detailed on drawing SD4.02 is part of the fence bid package. On drawing SD2.04 shows the ornamental fence layout. one of the notes on the north side says "By others".	The ornamental fence is part of the bid package 'By Others' has been removed.
3	Specification section 323113-6,2.6C. custom barrier net. Reference order #0285282. The manufacturer quoted this with steel poles. Detail #8 on drawing SD4.05 calls for 4" o.d. aluminum poles with ground sleeves. The manufactures is asking the following questions: 1. Are the poles aluminum or steel? 2. Do you want the poles to be permanently set or in ground sleeves? 3. Are the nets to be permanently installed or with hoisting ropes?	1. Poles will be steel. 2. Poles will be permanently embedded. 3. Nets will be installed with hoisting ropes.
4	Sheet SD2.05 shows Alternate 1 paver area and Alternate 2 paver area in what looks to be the same area. The Permeable Paver Bid form (BP#7) only has a place for Alternate #1. Please advise on correct extents of permeable paver alternate.	Alternate #1 is for the entire parking lot to be constructed of pavers instead of asphalt
5	What are the CFH for the playground surfacing?	The highest CFH is 8'. In the main play area the impact course should satisfy the 8' CFH throughout. The we-saw has a CFH of 60". The impact course in that area should satisfy that CFH
6	What is the depth of subgrade where clay bricks are installed in relation to finish grade?	Clay bricks are approx. 2 1/4" thick – subgrade will be +/- 3 1/4" below finish grade
7	SD2.01 - Is the Seat Wall behind the backstop in the landscaper's scope? Also, the detail 11/SD4.01 that this references is not the Seat Wall, but is a detail for Play Surfacing. Please direct me to the Seat Wall detail.	Yes, the seat wall is in the LANDSCAPE scope of work. Wall detail is #6/SD4.02
8	Instructions to Bidders, Item G. states 24 months guaranty/maintenance bond and the Supplemental Conditions, Item #7 states the warranty is for 12 months. Please clarify the time of guaranty/warranty/maintenance.	The standard warranty is for 12 months, but the District always requires a maintenance/warranty bond to cover 24 months. So contractors must be able to provide the bond covering 24 month in accordance with the Instruction to Bidders
9	What is the depth of the mill and overlay for alternate #2	Note #4 on SD2.03 – mill and overlay is 1.5"
10	Who is responsible for removals of existing chain link fencing?	Fencing Contractor

11	Who is responsible for the tree protection fence?	Excavation and Site Utilities contractor
12	There is NO detail for the wood enclosure? Calls out detail 1 on sheet 4.01?	See the included details in this addendum
13	Please confirm note ornamental fence by others? On sheet SD 2.04?	The ornamental fence is part of the bid package 'By Others' has been removed.
14	What is the height of the existing outfield fence for Alternate #3 and is the fence vinyl coated?	Existing fence height is 4'. The existing fence is not vinyl coated. Proposed fence will be vinyl coated.
15	Detail #2 on sheet SD4.02 shows top, middle and bottom rails, but doesn't call out the middle rail? Does both the 8' & 10' fence get middle rail?	The middle rail applies to both 8' and 10' fences
16	The backstop called out is a "KIT", just want to verify we can build a like backstop with our own fencing materials?	Custom built backstops will be accepted provided they meet they specifications of the product backstop. Contractors will submit shop drawings for acceptance. Shop drawings will not be required for review during bidding.
17	Does the 4' high ornamental fence get rings? Shown as an option on details?	The 4' ornamental fence will include the ring adornment
18	Is the barrier net system in the fencing scope? What is the height?	The overall netting height is 20' consisting of 16' of net over a 4' high fence.
19	Is the grounding of the fence in the Electrical Package?	Grounding of the fence will not be required.
20	The ornamental fence details show Montage Plus fencing (3/4" pickets) and the ornamental specifications call out Montage II (1" pickets)?	Product will be the Montage Plus with 3/4" pickets and double ring adornment
21	The ornamental fence details show weld on hinges and latches (standard) and the ornamental specifications call out spring hinges and exit hardware?	The double leaf gate will have standard manufacturer recommended hardware with lockable (padlock) latch. The single pedestrian gate will have heavy duty self closure hinges and locking latch. D&D heavy duty single gate hardware kit- product # TCSGK or approved equal.
22	Does only the 4' high fence get the yellow top cap & does the alternate to replace the outfield fence get new yellow top cap?	The alternate fence will get the top cap. If the alternate is accepted the existing cap may be salvaged and reused with new product as needed.
23	We are hoping to quote our Surface America Poured-in-Place and are wondering if you can provide the various critical fall heights for the play equipment.	The highest CFH is 8'. In the main play area the impact course should satisfy the 8' CFH throughout. The we-saw has a CFH of 60". The impact course in that area should satisfy that CFH
24	Its difficult to price the "Archway" because its a custom thing we've never seen before, and the drawings are vague. (Sheet SD4.04 details 3-6) Can you ask the Architect if there is more info? What else is a part of the arch? Is it heavy? Do we need a crane to lift the arch? How is it attached to the posts? Or is it all premade attached to the posts/legs upon arrival?	Archway is custom from Icon Manufacturing- see included preliminary details and specifications sec 133423 – Fabricated Structures- Archway in bid documents
25	Masonry Specs reads "Steel Gray splitface color or equal" and then proceeds to indicate the Architect can chose from the entire line of colors. There is a cost implication because the quantity of splitface cmu being so small. A \$1500.00 mold charge would be applied to any order outside of the 4 colors they have in stock consistently. Please let me know if we can conclude an inventory color will be utilized in order to not incorporate the mold charge. Thanks.	Final colors may be selected from the available stocked colors.
26	I wanted to confirm the lay patterns as I am hoping they accidently switched it. Field pattern for parking lot: Pattern H Filed pattern for pedestrian area: Herringbone	Herringbone will be used both the pedestrian area and the parking lot
27	Size of hand holes (quazite box) per drawing e1.0.	Handhole note: All hand holes shall be Sportsfiled Specialties

	<p>Drawing e2.0 shows keynotes that are not shown on the floor plan and look to be for a different project.</p>	<p>Combox plus or approved equal</p> <ol style="list-style-type: none">1. Track surfaces = 3000-ms series2. Turf = 3500 series3. Natural Grass = 3551 series4. Concrete or asphalt = 3312 series <p>Provide 2x4 framing required around these boxes. 2x4 shall be constructed of recycled plastics. Notes unrelated to the drawing may be disregarded.</p>
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PART 1 GENERAL

1.1 SUMMARY

A. General Notes Pertaining to all and or specific Bid Packages:

Bid Pkg. #	Trade	Scope Item #	Scope – This Trade Contractor’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
ALL	ALL	0.1	Each Trade Contractor shall submit one fully executed copy of AIA Document A305 “Contractor’s Qualification Statement” with its bid as identified in the Instruction to Bidders. Faxed submittals are acceptable. A305 document copies may be obtained from the Chicago AIA office located at 222 Merchandise Mart Plaza, Suite 1049, Chicago, IL 60654.
ALL	ALL	0.2	Each Trade Contractor shall coordinate all on-site activities including but not limited to site access, site parking, deliveries, etc. with Wight Construction Services, Inc. on-site supervision.
ALL	ALL	0.3	ALL TRADE CONTRACTORS shall be responsible for keeping scrap and debris cleared from the construction site on a continuing basis. TRADE CONTRACTORS will be required to list their respective dollar value for clean up on the Schedule of Values Form G703 no later than 5 business days from the issuance of Notice to Proceed . Each TRADE CONTRACTOR providing work during any week period will be required to furnish DAILY cleanup personnel, for the needed time to clean the site as directed by the Construction Manager. If this cleanup is not completed to the satisfaction of the Construction Manager, the Construction Manager will contract clean up to be done, and the TRADE CONTRACTOR will be back-charged accordingly.
ALL	ALL	0.4	This Trade Contractor’s field personnel shall complete a safety orientation (managed by the Construction Manager; approximate duration is 1-hour) prior to any on-site activities. At a minimum, the Trade Contractor’s Project Manager and site foreman will be required to attend. If this Trade Contractor fails to attend this meeting on the specified date and time, the Trade Contractor will be charged for a separate orientation at the hourly billing rates for Wight Construction’s Safety Officer.
ALL	ALL	0.5	All Trade Contractors shall be responsible for safety for this portion of work. Provide all necessary scaffolding, handrails, ladders, equipment, etc. necessary to perform the described work. Comply with all O.S.H.A., local, state, or federal safety authorities having jurisdiction.
ALL	ALL	0.6	Each Trade Contractor shall exclude tax payment of Retailers’ Occupation Tax, the Service Occupation Tax (both state and local), the Use Tax and the Service Use Tax, as required by IL Law. The Tax exemption identification number issued to Oak Brook Park District, Oak Brook, IL will be provided to the successful Bidder.
ALL	ALL	0.7	Control point surveying will be by others. All Trade Contractors shall protect and maintain all survey work by others. This Trade Contractor shall be responsible for all layout and in field measurements related to this Trade Contractor’s work and shall coordinate this layout work with the layout of adjacent work by others.
ALL	ALL	0.8	Each Trade Contractor shall conduct all contract related activities within the guidelines for phasing and scheduling established on this project. It is the responsibility of each Trade Contractor to review and accept, as part of contract, the regular and ongoing schedule updates on this project.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

ALL	ALL	0.9	<p>The industry rule of thumb term “Use is Acceptance” will be enforced.</p> <ul style="list-style-type: none"> a) When work is performed, it will be assumed this Trade Contractor has inspected and accepted the quality and coordination of the work of other trade contractors that this Trade Contractor is working on or against. b) Start of work by this Trade Contractor on top of or against any other surface means this Trade Contractor has accepted the quality and completeness of that surface. c) This Trade Contractor is responsible for preparing (i.e. cleaning) adjacent surfaces including but not limited to those surfaces completed by others prior to proceeding.
ALL	ALL	0.10	<p>As defined by the American Institute of Architects, “the Contractor is the person or entity identified as such in the agreement and is referred to throughout the Contract as if singular in number. The term “Contractor” means the Contractor or the Contractor’s authorized agent.” Trade Contractor, Subcontractor, Sub-Tier Contractor or any derivative thereof shall be all considered synonymous with Contractor.</p>
ALL	ALL	0.11	<p>Each Trade Contractor shall complete the payment application Schedule of Values sheet including full disclosure and listing of each aspect of Trade Contractor’s work valued in excess of \$5,000, within 5 working days of the issuance of a Letter of Intent from Wight Construction. Payment shall be made to each Trade Contractor in accordance with in accordance with the Local Government Prompt Payment Act (50 ILCS 505/1 <i>et seq.</i>).</p>
ALL	ALL	0.12	<p>ALL TRADE CONTRACTORS furnishing material for delivery and installation at any time on this project shall be responsible for the purchase and storage of that material at no additional cost to the Owner. Payment for off-site stored material will not be considered.</p>
ALL	ALL	0.13	<p>ALL TRADE CONTRACTORS shall promptly notify the Construction Manager of any damage caused to their work by another TRADE CONTRACTOR and shall be responsible to remedy their claim with the party causing the damage. Should the responsible party, within 24 hours’ notice, fail to remedy all damages or loss, the Construction Manager and Owner shall cause to have the right to remedy the situation and the cost thereof will be back charged to the TRADE CONTRACTOR responsible for the damage or loss.</p>

DIVISION 1 – GENERAL CONDITIONS
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ALL	ALL	0.14	Performance Clause: All Trade Contractors shall at all times supply a sufficient number of jurisdictionally skilled workers to perform, with promptness and diligence, the work covered by contract. At least 50% of the labor hours for each Trade Contractor must be performed by actual residents of the State of Illinois. Should any workers performing work covered by contract engage in a strike, work stoppage and/or slowdown of any kind or cease to work because of picketing or a labor dispute of any kind, the Owner may, at its option and without prejudice to any other remedies it may have, after twenty-four (24) hours written notice to Contractor, provide any such labor and deduct the cost thereof from any moneys then due or thereafter to become due to Contractor. Further, the Owner may at its option, without prejudice to any other remedies it may have, terminate the employment of Contractor for work under this contract. Owner shall have the right to enter upon the premises and take possession, for the purpose of completing the work hereunder, of all Contractors' materials, tools and equipment thereon. Further, Owner may finish the work either with its own employees or those of other contractors. When terminated by the Owner, Contractor will not receive any further payments under the contract or otherwise. Contractor shall remain liable for any damages that Owner incurs. If expenses incurred by Owner, in completing the work, exceed the unpaid balance due Contractor, Contractor shall pay difference to Owner. In addition, Owner may collect other damages incurred as a result of Contractor's default. Owner shall have a lien upon all on-site material, tools, equipment or other property of Contractor to secure payment thereof. In the event of any inconsistency between the provisions of the performance clause and any other provisions of the contract or the contract documents, the provisions for the performance clause shall prevail.
ALL	ALL	0.15	If the work of this Trade Contractor is determined by Construction Manager to be deficient in any way this Trade Contractor understands and accepts that in-progress and/or completed work will be redone at the full expense of this Trade Contractor on a time line as established by Construction Manager.
ALL	ALL	0.16	Warranty will be executed upon Final Completion of the entire project. Based on the sequencing of work this Trade Contractor understands that portions of the work may be completed well in advance of this Final Completion date.
ALL	ALL	0.17	All TRADE CONTRACTORS are required to conduct a preliminary punch list walk through with the Construction Manager. TRADE CONTRACTORS will have an allotted time frame to complete deficiencies. TRADE CONTRACTOR is also required to conduct a final walk through with the Construction Manager and Owner and correct and complete those deficiencies within 2 weeks of final punch list. If the TRADE CONTRACTOR fails to complete punch list within allotted time frame, the Owner reserves the right to hire a separate trade contractor to make the corrections to complete those punch list items not addressed and back charge the TRADE CONTRACTOR at the cost of the work.
ALL	ALL	0.18	It is the responsibility of each TRADE CONTRACTOR to assure that his respective area of construction is watertight and protected from the elements, as necessary and as a result of his work, throughout the construction period.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

ALL	ALL	0.19	All Drawings, Specification sections, and scopes of work should be referenced for the extent of the work under all accounts.
ALL	ALL	0.20	Although Specifications are allocated to the respective "Scopes of Work", it is the intention of the Construction Manager that each TRADE CONTRACTOR read all Specification Sections, and that the Scopes of Work shall take precedence over any allocation of work made by the Architect.
ALL	ALL	0.21	All TRADE CONTRACTORS shall be responsible for repair of ruts and removal of trapped water on a continuous basis caused by the use of their motorized equipment.
ALL	ALL	0.22	All TRADE CONTRACTORS shall be responsible for damage caused by the use of their motorized lifts, rolling scaffold or other elevated type equipment used on the project.
ALL	ALL	0.23	All TRADE CONTRACTORS shall be responsible for cleaning mud and stone off of the tires and tracks of their vehicles and construction equipment prior to entering public roadways off of the project site.
ALL	ALL	0.24	All TRADE CONTRACTORS shall be responsible for submitting a work schedule for all of their work on the site within ten working days from of the issuance of a Letter of Intent from Wight Construction. This is to include all durations for each phase of work to be performed by this TRADE CONTRACTOR.
ALL	ALL	0.25	See General Conditions, Section 5 for insurance requirements.
ALL	ALL	0.26	Each Trade Contractor shall be responsible for removal and disposal of their waste. All reporting of disposal shall follow spec. section 017419.
ALL	ALL	0.27	Pay Applications AND Waivers are to be submitted in original signature triplicates.
ALL	ALL	0.28	Provide sufficient equipment, material, skilled manpower, supervision and/or premium time/shift work (all without additional compensation) as may be required to complete the work of this Trade Contractor in accordance with the overall project Substantial Completion date. Reference Division 0 – Bidding and Contract Requirements, Section 01250 – Construction Schedule.
ALL	ALL	0.29	TRADE CONTRACTOR shall be prepared to meet within one week of bid opening to conduct scope reviews, provide submittal log and discuss award of contract.
ALL	ALL	0.30	All trade contractors will be required to complete the OSLAD billing documentation included in the project manual as it relates to their work.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

ALL	ALL	0.30	Contact J.U.L.I.E. 72 hours minimum prior to any excavation work. Record and document all contact with J.U.L.I.E. including but not limited to Dig Number; present J.U.L.I.E. dig number and all other J.U.L.I.E. related documentation to the Construction Manager 24-hours minimum prior to any excavation. All these J.U.L.I.E. documentation shall be included as part of the close out documentation.
All	All	0.31	Weekly Certified Payroll Reports are required with monthly pay application. Certified Payroll reports are also required on any sub-tiers performing labor.
All	All	0.32	Contractors to provide all necessary signage to alert traffic or other of the work being performed and to provide all related traffic control items as shown on the Drawings and/or Contract Documents. Any TRADE CONTRACTOR not adhering to the traffic control requirements will result in the Construction Manager bringing a flagger onsite at the cost of the TRADE CONTRACTOR(S).
All	All	0.33	All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.
All	All	0.34	Change orders are required to be turned in no later than 15 days after the work has been completed and must be accompanied by a signed T&M ticket from the Superintendent. Change orders turned in later than 15 days and/or not accompanied by signed T&M ticket will be subject to rejection.
All	All	0.35	All TRADE CONTRACTORS shall be responsible for his/her for any temporary power needed by that TRADE CONTRACTOR
All	All	0.36	All TRADE CONTRACTORS shall be responsible for the coordination with all other contractors through the Wight Superintendent to achieve final result
All	All	0.37	IT IS THE RESPONSIBILITY OF EACH TRADE CONTRACTOR TO READ THE SCOPES OF WORK FOR ALL TRADES.
All	All	0.38	All TRADE CONTRACTORS must wear High visibility shirts or a high visibility vest at all times. Hard hats and safety glasses must be worn at all times.
All	All	0.39	Each Trade Contractor must sign in and sign out on the sign-in sheet located in the jobsite trailer every day.
All	All	0.40	Daily Reports are required by Trade Contractors each day by 8am to the project superintendent in the jobsite trailer. Weekly Tool Box talks will be provided by Superintendent and are to be returned the following day in the jobsite trailer.
All	All	0.41	All Trade Contractors are required to submit Job Hazard Analysis and method statements as required by the Construction Manager.
All	All	0.42	This entire Project must be complete on or before July 31, 2018.
All	All	0.43	Each trade contractor will be required to fill out the OSLAD billing paperwork as it relates to their scope of work.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

Bid Pkg. #	Trade	Scope Item #	Scope –Trade Contractor shall furnish, install, complete and/or otherwise comply with the following:
01	Excavation/ Site Utilities	01.1	This TRADE CONTRACTOR shall be responsible for furnishing all material, labor, supervision, layout and survey services associated with this work.
01	Excavation/ Site Utilities	01.2	Adherence with all testing procedures and/or Geo-Technical Engineering findings and recommendations shall be strictly enforced.
01	Excavation/ Site Utilities	01.3	Protect and maintain all survey stakes. This TRADE CONTRACTOR shall be responsible to provide its own project layout according to the drawings, considering the benchmarks locations and elevations that will be given by the Construction Manager.
01	Excavation/ Site Utilities	01.4	Provide all necessary signage to alert traffic or other of the work being performed. Shall also protect/barricade all open excavations.
01	Excavation/ Site Utilities	01.5	Contact J.U.L.I.E. 72-hours minimum prior to any excavation work by this Trade Contractor. Record and document all contact with J.U.L.I.E. including but not limited to Dig Number; present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Construction Manager 24-hours hours (minimum) prior to any excavation, present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Design/Builder as part of close-out package submittal. Owner will provide a locate for all private utilities.
01	Excavation/ Site Utilities	01.6	This TRADE CONTRACTOR will be responsible for all excavation for: curbs, sidewalks, asphalt pathways and parking areas, concrete slabs and permeable paver areas. All extra material is to be disposed of at the sled hill area. This TRADE CONTRACTOR is to include removal of existing asphalt, stone base, concrete aprons, curbs, fencing, storm sewer pipe/structures and soils. This TRADE CONTRACTOR is responsible for the demolition of all items as shown on the demolition drawing. Provide all saw-cutting as required. Trees will be removed by owner.
01	Excavation/ Site Utilities	01.7	This TRADE CONTRACTOR is responsible for the placement and compaction of all stone bases for concrete sidewalks, concrete slabs, curbs, pavers, and asphalt paving. This TRADE CONTRACTOR is also responsible for backfilling of soils and stone as necessary of all paved areas and concrete.
01	Excavation/ Site Utilities	01.8	This TRADE CONTRACTOR shall perform daily cleanup operations and shall comply with all OSHA safety requirements.
01	Excavation/ Site Utilities	01.9	This TRADE CONTRACTOR shall be responsible for all public access (streets, roads, aprons, curb-cuts, sidewalks, roads, etc.) maintenance on a daily basis and for the duration of all on site activities that is clear of dirt, dust, debris, mud, stones, rocks, sediment and/or project related materials of any kind caused by this TRADE CONTRACTOR. This TRADE CONTRACTOR shall provide all required street sweeper during her/his work period.
01	Excavation/ Site Utilities	01.10	Place excavated spoils so as not to interfere with the work of other trade contractors and/or as directed by Construction Manager. After backfill, this trade contractor shall dispose of materials off site.
01	Excavation/ Site Utilities	01.11	This trade contractor shall comply with all “best practice” procedures for backfilling against new foundation wall as enumerated elsewhere in this bid group.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

01	Excavation/ Site Utilities	01.12	Contractors to perform under guidelines of phasing and scheduling. The schedule contained in this Bid Group may be updated by future adjustments that will become part of said contractors' agreement.
01	Excavation / Site Utilities	01.13	This TRADE CONTRACTOR shall perform all the required scope of work for the installation of the new storm drainage systems including all pipe and structures, according to the drawings, specifications, contract documents, local and state codes, etc.
01	Excavation / Site Utilities	01.14	This TRADE CONTRACTOR shall be responsible for taking appropriate measures to protect existing conditions including but not necessarily limited to perimeter landscaping, curbs, gutters, drives and walks, buildings, light poles, hydrants, etc. from damage that may be caused by this work.
01	Excavation / Site Utilities	01.15	This TRADE CONTRACTOR shall be responsible for installation, maintenance, and removal of all sediment and erosion control items, required for the project, as indicated on the drawings and/or as required per codes or local authorities. This TRADE CONTRACTOR shall provide silt screen over all inlets to prevent clogging of underground piping. Silt fencing is to be included.
01	Excavation / Site Utilities	01.16	Protect and maintain all survey stakes. This TRADE CONTRACTOR shall be responsible to provide its own project layout and survey work according to the drawings, considering the benchmarks locations and elevations that will be given by the Construction Manager.
01	Excavation / Site Utilities	01.17	This TRADE CONTRACTOR shall be responsible for all dewatering as associated with this TRADE CONTRACTORS work.
01	Excavation / Site Utilities	01.18	This TRADE CONTRACTOR shall provide protective fencing around existing items as shown on the drawings.
01	Excavation / Site Utilities	01.19	All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.
01	Excavation / Site Utilities	01.20	Contact inspecting agencies associated with the work of this Trade Contractor to a) schedule any and all required inspections, b) complete that work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency and c) submit all inspecting agency sign-off related documentation to Construction Manager.
01	Excavation / Site Utilities	01.21	This TRADE CONTRACTOR is responsible for all permits, and fees required for the completion of his/her work.
01	Excavation / Site Utilities	01.22	Furnish and install all necessary concrete structures including but not limited to all manholes, valve vaults, thrust blocks, oil separators, catch basins, etc. for the storm system, with the proper sealant and according to the construction documents. All concrete structures to include all rings, frames, gaskets, steps, lids, etc. as shown on the drawings and/or as required per local and state codes in order to have a fully operational system.
01	Excavation / Site Utilities	01.23	Furnish and install all frames, grates, and extensions where required by the Construction Manager and construction documents.
01	Excavation / Site Utilities	01.24	This TRADE CONTRACTOR is responsible for site grubbing and removal of all existing vegetation spoils.
01	Excavation / Site Utilities	01.25	This TRADE CONTRACTOR shall furnish and install all rip rap.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

01	Excavation / Site Utilities	01.26	This TRADE CONTRACTOR shall furnish excavation in the ball fields for installation of clay bricks and infield mix by others.
01	Excavation / Site Utilities	01.27	This TRADE CONTRACTOR shall provide proof rolls for parking area and playground subgrades.
01	Excavation / Site Utilities	01.28	This TRADE CONTRACTOR shall not be responsible for the demolition of the existing ball field sports lights. This will be done by others.
01	Excavation / Site Utilities	01.29	This TRADE CONTRACTOR is not responsible for the excavation of footings for archway and shade sales. This will be done by others.
01	Excavation / Site Utilities	01.30	Where pavers are to be installed this TRADE CONTRACTOR will furnish, install and compact stone base up to the bottom of the CA-16 bedding. The bedding will be furnished and installed by paver installation contractor.
01	Excavation / Site Utilities	01.31	This TRADE Contractor shall furnish and install all filter fabric as required.
01	Excavation / Site Utilities	01.32	For the playground area, this TRADE CONTRACTOR shall cut the area down to subgrade and install the perforated drain pipe as well as stone and fabric around pipe. The playground contractor shall be responsible for the fabric and stone sub-base for the playground area. Landscape contractor will be responsible for stone base and backfill under and behind the new retaining wall.
01	Excavation / Site Utilities	01.33	This TRADE CONTRACTOR shall provide the rough grading of all soils as shown, finish grading will be by the landscape contractor.
01	Excavation / Site Utilities	01.34	ALTERNATE #1: Permeable paver lot- provide added cost for the demolition, excavation, fabric and stone base to install a permeable paver lot in lieu of asphalt. CA-16 bedding is by others.
01	Excavation / Site Utilities	01.35	This TRADE CONTRACTOR shall include an allowance of \$20,000.00 to be included in the base bid to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

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Bid Pkg. #	Trade	Scope Item #	Scope – This Trade Contractor’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
02	Concrete	2.01	This TRADE CONTRACTOR shall be responsible for the site layout and survey work, as well as measuring and field dimensioning associated with this Trade Contractor's work.
02	Concrete	2.02	This TRADE CONTRACTOR shall be responsible for taking appropriate measures to protect existing conditions including but not necessarily limited to perimeter landscaping, curbs, gutters, drives and walks, buildings, light poles, hydrants, etc. from damage that may be caused by this work.
02	Concrete	2.03	This TRADE CONTRACTOR shall be responsible for installing all sidewalks including tactile strips, curbs, stairs and concrete slabs.
02	Concrete	2.04	This TRADE CONTRACTOR shall be responsible for furnishing and installing all required steel reinforcing for concrete work.
02	Concrete	2.05	The concrete footings for the shade sails, baseball bollards and archway are not part of this scope. This work will be done by others.
02	Concrete	2.06	This TRADE CONTRACTOR shall be responsible for necessary street sweeping from debris created on public streets from own work.
02	Concrete	2.07	The installation and concrete footings for the playground equipment including the baseball bollards is by others.
02	Concrete	2.08	This TRADE CONTRACTOR shall furnish and install the metal handrail for the new stairs.
02	Concrete	2.09	This Trade Contractor will be responsible for all concrete caulking and sealing as noted on the drawings.
02	Concrete	2.10	This TRADE CONTRACTOR shall be responsible for all expansion joints, construction joints, fillers, caulking, sealants, etc. for concrete work.
02	Concrete	2.11	This TRADE CONTRACTOR shall be responsible for all concrete rubbing for exposed surfaces; said finishes shall be uniform in color and texture. All slabs on grade must be left smooth, level, and clean after final curing has occurred.
02	Concrete	2.12	This TRADE CONTRACTOR shall be responsible for all dewatering as associated with this TRADE CONTRACTORS work.
02	Concrete	2.13	Alternate #1- Permeable paver lot. Provide cost for the change from an asphalt parking lot to a permeable paver parking lot as per the drawings.
02	Concrete	2.14	Left blank

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02	Concrete	2.15	Left blank
02	Concrete	2.16	Left blank

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Bid Pkg. #	Trade	Scope Item #	Scope – This Trade Contractor’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
03	Electrical	03.01	Provide a fully functioning electrical system as per drawings.
03	Electrical	03.02	This TRADE CONTRACTOR shall be responsible for furnishing and installing all conduit, wires, hand hold boxes and fixtures as shown on the drawings. All work associated with the MUSCO lighting systems is by others.
03	Electrical	03.03	This TRADE CONTRACTOR shall be responsible for all trenching work and backfill as required. Backfill shall be compacted stone under all paved surfaces.
03	Electrical	03.04	This TRADE CONTRACTOR shall be responsible for furnishing and installing all exterior lighting per construction documents and specifications.
03	Electrical	03.05	This TRADE CONTRACTOR shall be responsible for any out-of-sequence and/or additional wiring and testing of contractor’s work to permit expedited completion of partitions, ceilings, and other work, including the furnishing and installation of equipment.
03	Electrical	03.06	This TRADE CONTRACTOR shall be responsible for all coordinating with all other contractors to obtain wiring diagrams and requirements for equipment furnished by others, prior to wiring same in the field.
03	Electrical	03.07	This TRADE CONTRACTOR shall be responsible for all directory label charts, identification and tagging requirements of work as required within the specifications and as indicated on the drawings.

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03	Electrical	03.08	This TRADE CONTRACTOR shall be responsible for all electrical/lighting related work on drawings and in specifications, as may be noted on architectural, mechanical, and plumbing documents or specification sections.
03	Electrical	03.09	All shut downs and/or interruptions in service, if required, shall be coordinated through the Design/ Builder. Such activities will be scheduled to minimize project disruption.
03	Electrical	03.10	This TRADE CONTRACTOR shall be responsible for applications, inspection coordination, scheduling, testing and all things required to satisfy the requirements of local code enforcement inspection services shall be by this trade contractor. This trade contractor to submit verification of conversations, inspections, and/or approvals to Design/ Builder within 72 hours of said occurrence.
03	Electrical	03.11	This TRADE CONTRACTOR shall include training as required for the Oakbrook Park District staff as scheduled by Construction Manager.
03	Electrical	03.12	This trade contractor shall disconnect all electrical feeds to existing equipment before demolition by others.
03	Electrical	03.13	This trade contractor will furnish and install all site lighting and equipment.
03	Electrical	03.14	Owner will provide a locate for all private utilities and electrical runs.
03	Electrical	03.15	This TRADE CONTRACTOR shall be responsible for coring as required for new electrical runs.

DIVISION 1 – GENERAL CONDITIONS
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Bid Pkg. #	Trade	Scope Item #	Scope –Trade Contractor shall furnish, install, complete and/or otherwise comply with the following:
04	Asphalt Paving	04.1	Furnish necessary survey and layout work as required.
04	Asphalt Paving	04.2	Provide all necessary signage to alert traffic or other of the work being performed <i>and to provide all related traffic control items as shown on the drawings, contract documents, as requested by state (Illinois Department of Transportation - IDOT, etc.) and local codes, etc.</i>
04	Asphalt Paving	04.3	Furnish and install a Bituminous Binder Course, according to Contract Documents.
04	Asphalt Paving	04.4	Furnish and install all required Prime Coat according to the drawing and contract documents.
04	Asphalt Paving	04.5	Furnish and install a Bituminous Surface Course, according to Contract Documents.
04	Asphalt Paving	04.6	All stone base by others.
04	Asphalt Paving	04.7	All areas around bollards, poles, surface mounts must be sloped in accordance with the Construction Documents.
04	Asphalt Paving	04.8	All necessary surface adhesives for Asphalt to be properly sealed.
04	Asphalt Paving	04.9	Provide and comply with all safety OSHA requirements.
04	Asphalt Paving	04.10	Provide any necessary lifts/proof rolling to complete scope of work.
04	Asphalt Paving	04.11	Provide all required tack coats.
04	Asphalt Paving	04.12	This TRADE CONTRACTOR shall furnish and install all parking lot signage as shown on the drawings as well as all parking lot striping. This is to be included in the base bid even if the alternate for the permeable paver parking lot is accepted.
04	Asphalt Paving	04.13	Contact inspecting agencies associated with the work of this Trade Contractor to a) schedule any and all required inspections, b) complete that work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency and c) submit all inspecting agency sign-off related documentation to Design/Builder. All testing and inspections to comply with IDOT standards and/or contract documents.
04	Asphalt Paving	04.14	This TRADE CONTRACTOR shall be responsible for all parking lot stripping and signage as per the plans.
04	Asphalt Paving	04.15	This TRADE CONTRACTOR shall be responsible for all dewatering as associated with this TRADE CONTRACTORS work.
04	Asphalt Paving	04.16	This TRADE CONTRACTOR shall be responsible for necessary street sweeping from debris created on public streets from their own work and for keeping the school's parking lot clean as well.
04	Asphalt Paving	04.17	Paving of all parking lot and pathways is by this TRADE CONTRACTOR. Stone will be placed by others, but finish grading and compaction will be by this TRADE CONTRACTOR.

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SECTION 00300– Bid Package Scope Document

04	Asphalt Paving	04.18	All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.
04	Asphalt Paving	04.19	Provide and comply with all life safety OSHA standards.
04	Asphalt Paving	04.20	This TRADE CONTRACTOR shall be responsible for all public access (streets, roads, aprons, curb-cuts, sidewalks, roads, etc.) maintenance on a daily basis and for the duration of all on site activities that is clear of dirt, dust, debris, mud, stones, rocks, sediment and/or project related materials of any kind.
04	Asphalt Paving	04.21	This TRADE CONTRACTOR shall be responsible for taking appropriate measures to protect existing conditions including but not necessarily limited to perimeter landscaping, curbs, gutters, drives and walks, buildings, light poles, hydrants, etc. from damage that may be caused by this work.
04	Asphalt Paving	04.22	Contact J.U.L.I.E. 72-hours minimum prior to any excavation work by this Trade Contractor. Record and document all contact with J.U.L.I.E. including but not limited to Dig Number; present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Construction Manager 24-hours hours (minimum) prior to any excavation, present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Design/Builder as part of close-out package submittal.
04	Asphalt Paving	04.23	ALTERNATE #1- Provide deduct cost for the parking area to be constructed of permeable pavers in lieu of asphalt paving.
04	Asphalt Paving	04.24	Alternate #2- Provide additional cost to mill and repave existing parking lot as shown in the drawings.

DIVISION 1 – GENERAL CONDITIONS
SECTION 00300– Bid Package Scope Document

Bid Pkg.	Trade	Scope Item #	Scope – This TRADE CONTRACTOR’S scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
05	Landscaping	05.01	TRADE CONTRACTOR shall furnish and install all required soil preparation, trees, shrubs, groundcovers, mulch and planting accessories, fertilizers, any required topsoil for planting bed mixes, mulch and maintenance according to the drawings, specifications and contract documents. Topsoil shall be placed by others to a rough grade. This TRADE CONTRACTOR shall provide tilling and finish grading.
05	Landscaping	05.02	This TRADE CONTRACTOR shall furnish and install the clay bricks and ballfield mix as shown. Excavation to subgrade will be by others.
05	Landscaping	05.03	This TRADE CONTRACTOR shall furnish and install all lawns and grasses as indicated on the plans and specifications including preparation, seeding, blanketing, maintenance etc.
05	Landscaping	05.04	This Trade Contractor shall install equipment for the new bases and mounds. Materials will be supplied by the owner.
05	Landscaping	05.05	This TRADE CONTRACTOR shall provide maintenance as indicated within the specifications. This includes any watering and mowing of plantings, lawns, & grasses.
05	Landscaping	05.06	This TRADE CONTRACTOR shall haul off and remove any spoils or debris generated from their scope of work.
05	Landscaping	05.07	This TRADE CONTRACTOR shall furnish and install the new retaining wall at the playground including the drain tile behind the walls. This is to include connection into the structure. Excavation will be by others. Stone base and backfill will be by this TRADE CONTRACTOR.
05	Landscaping	05.08	This TRADE CONTRACTOR shall remove all sit fence and restore those areas at the completion of the project.
05	Landscaping	05.09	Rip rap, permeable pavers and playground installation is by others.
05	Landscaping	05.10	This TRADE CONTRACTOR shall provide grading and restoration for all electrical trenching and light pole installation.
05	Landscaping	05.11	Alternate #4- Furnish and install native landscaping in the swale as shown on the drawings.
05	Landscaping	05.12	This TRADE CONTRACTOR shall furnish and install the retaining walls for the entire project located at the playground area and by the baseball field
05	Landscaping	05.13	This TRADE CONTRACTOR shall carry a \$15,000.00 allowance in their base bid for use as directed by the Construction Manager.

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Bid Pkg. #	Trade	Scope Item #	Scope – This Trade Contractor’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
06	Playground Equipment	06.01	This TRADE CONTRACTOR shall be responsible for the professional installation of the Playground Equipment which will be provided by the owner. Excavation of the playground area will be by others. This TRADE CONTRACTOR will be responsible for augering and pouring concrete bases for the installation.
06	Playground Equipment	06.02	This TRADE CONTRACTOR shall be responsible for all of the equipment layout.
06	Playground Equipment	06.03	This TRADE CONTRACTOR shall be responsible to coordinate work and scope with site superintendent and other trade contractors involved
06	Playground Equipment	06.04	Drainage pipe installation for the play area is by others. This TRADE CONTRACTOR shall furnish and install the filter fabric and the stone base for the playground area.
06	Playground Equipment	06.05	This TRADE CONTRACTOR will furnish and install the rubber play surface in the playground area.
06	Playground Equipment	06.06	This TRADE CONTRACTOR shall install the shade sail structures and the archway which will be furnished by the owner. Concrete footings are by this TRADE CONTRACTOR, including excavation and removal of spoils.
06	Playground Equipment	06.07	This TRADE CONTRACTOR shall furnish and install the baseball bollards and the planters.
06	Playground Equipment	06.08	Installation of the retaining wall is by others.
06	Playground Equipment	06.09	Furnish and install stadium seating and benches in the playground area.

Bid Pkg. #	Trade	Scope Item #	Scope –Trade Contractor shall furnish, install, complete and/or otherwise comply with the following:
07	Pavers	07.01	This TRADE CONTRACTOR shall be responsible for furnishing and installing ALL brick pavers outlined in the contract documents and all associated material necessary for a complete and total installation of the paver walkways. Excavation and base stone will be by others. CA-16 bedding stone will be by this TRADE CONTRACTOR. This TRADE CONTRACTOR shall be responsible for furnishing and installing the chip void filler for the pavers.
07	Pavers	07.02	Left Blank
07	Pavers	07.03	This TRADE CONTRACTOR shall be responsible for providing all necessary signage to alert traffic or other of the work being performed and to provide all related traffic control items as shown on the drawings, contract documents, as requested by state (Illinois Department of Transportation - IDOT, etc.) and local codes, etc.
07	Pavers	07.04	This TRADE CONTRACTOR shall accept sub-base conditions prior to proceeding. Sub-base acceptance applies to all aspects of this Trade Contractor's work. Issues taken with sub-base conditions are to be itemized and presented (location plan and narrative) in writing to Construction Manager. Proceeding with the work will constitute acceptance of sub-base conditions by this TRADE CONTRACTOR.
07	Pavers	07.05	This TRADE CONTRACTOR shall be responsible for compaction. Compaction must meet Construction Documents and Industry Standards.
07	Pavers	07.06	This TRADE CONTRACTOR shall be responsible for sloping all areas around bollards, poles, and surface mounts in accordance with the Construction Documents.
07	Pavers	07.07	All edging as required is to be furnished and installed by this TRADE CONTRACTOR.
07	Pavers	07.08	Contractor to perform under guidelines of phasing and scheduling. The schedule contained in this Bid Group may be updated by future adjustments that will become part of said contractors' agreement.
07	Pavers	07.09	This TRADE CONTRACTOR shall be responsible for furnishing all material, labor, equipment, supervision, and layout associated with this work.
07	Pavers	07.10	This TRADE CONTRACTOR shall perform daily clean up operations and shall comply with all OSHA safety requirements.
07	Pavers	07.11	Alternate # 1- provide additional cost to install permeable pavers as shown for alternate #1 on the drawings. Parking lot signage and striping will be by others. Excavation and base stone will be by others but CA-16 bedding stone is by this TRADE CONTRACTOR.

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Bid Pkg. #	Trade	Scope Item #	Scope –Trade Contractor shall furnish, install, complete and/or otherwise comply with the following:
08	Fencing	08.1	Protect existing conditions from damage caused by this Trade Contractor including but not necessarily limited to landscaping, sidewalks, existing public-ways (roadways sidewalks, pavement, aprons, etc.), striping, brick walls, foundations, structures (above or below ground / man-made or non-man-made, etc.).
08	Fencing	08.2	Contact inspecting agencies associated with the work of this Trade Contractor to a) schedule any and all required inspections, b) complete that work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency and c) submit all inspecting agency sign-off related documentation to Construction Manager.
08	Fencing	08.3	Remove all excess materials caused by this Trade Contractor from the site within one (1) calendar week of substantial completion.
08	Fencing	08.4	Coordinate secure staging, storage for materials and/or equipment kept on site by this Trade Contractor with Construction Manager prior to proceeding.
08	Fencing	08.5	Provide all required traffic, pollution and noise controls for the work related to this TRADE CONTRACTOR’S scope of work.
08	Fencing	08.6	Contact J.U.L.I.E. 72-hours minimum prior to any excavation work by this Trade Contractor. Record and document all contact with J.U.L.I.E. including but not limited to Dig Number; present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Design/Builder 24-hours hours (minimum) prior to any excavation, present J.U.L.I.E Dig Number and all related J.U.L.I.E documentation to Design/Builder as part of close-out package submittal.
08	Fencing	08.7	TRADE CONTRACTOR shall furnish and install all work as required to assure the proper setting and installation of all fencing within this scope of work. All work according to the drawings, specifications and contract documents.
08	Fencing	08.8	TRADE CONTRACTOR shall include all required coring/excavating for foundation posts, at locations indicated on drawings. Spoils to be removed from site.
08	Fencing	08.9	Contractors to perform under guidelines of phasing and scheduling. The schedule contained in this Bid Group may be updated by future adjustments that will become part of said contractors’ agreement.
08	Fencing	08.10	This TRADE CONTRACTOR is to furnish and install all fencing and gates, including the plastic safety cap as shown. Dumpster enclosure is to be included in this scope.
08	Fencing	08.11	This TRADE CONTRACTOR is to furnish and install the shade fabric for the new dugouts.

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08	Fencing	08.12	Alternate #3- remove and replace outfield fence as shown on the drawings
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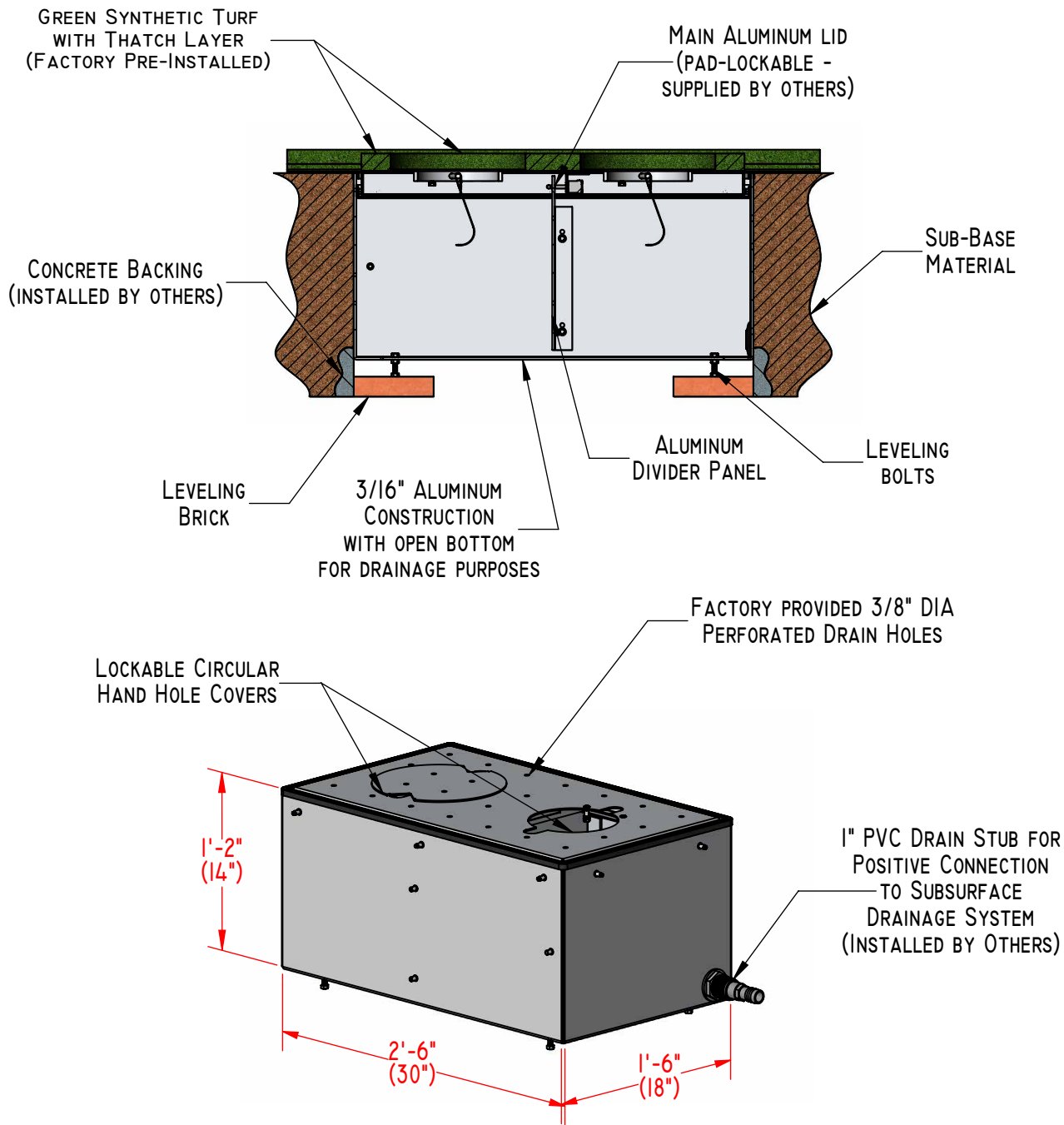
Bid Pkg. #	Trade	Scope Item #	Scope – This Trade Contractor’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope.
09	Masonry	09.1	This TRADE CONTRACTOR is to furnish and install all material to complete the masonry columns at the new archway feature.
09	Masonry	09.2	Protect and maintain all survey stakes. This TRADE CONTRACTOR shall be responsible to provide its own project layout according to the drawings, considering the benchmarks locations and elevations that will be given by the Construction Manager.
09	Masonry	09.3	Contact inspecting agencies associated with the work of this Trade Contractor to a) schedule any and all required inspections, b) complete that work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency and c) submit all inspecting agency sign-off related documentation to Construction Manager. This TRADE CONTRACTOR shall also be responsible for scheduling of all required testing. Submit two copies of all field test reports, daily, to the Construction Manager.
09	Masonry	09.4	Remove all excess materials caused by this Trade Contractor from the site within one (1) calendar week of substantial completion of masonry or as directed by Construction Manager.
09	Masonry	09.5	Coordinate secure staging, storage for materials and/or equipment kept on site by this Trade Contractor with Construction Manager prior to proceeding.
09	Masonry	09.6	Provide all required traffic, pollution and noise controls for the work related to this TRADE CONTRACTOR’S scope of work.
09	Masonry	09.7	Contractors to perform under guidelines of phasing and scheduling. The schedule contained in this Bid Group may be updated by future adjustments that will become part of said contractors’ agreement.
09	Masonry	09.8	If determined to be deficient in any way by Construction Manager, this Masonry Trade Contractor understands and accepts that in-progress and/or completed work will be redone at the full expense of this Masonry Trade Contractor on a time line as established by Construction Manager.
09	Masonry	09.9	This TRADE CONTRACTOR shall perform daily cleanup operations and shall comply with all OSHA safety requirements.
09	Masonry	09.10	This Masonry Trade Contractor shall furnish and install all materials, jurisdictionally skilled and/or licensed labor, equipment, tools, etc. and all things required for all exterior masonry columns.
09	Masonry	09.11	This TRADE CONTRACTOR shall be responsible for all layout work, measuring and field dimensioning associated with this Trade Contractor's work
09	Masonry	09.12	This TRADE CONTRACTOR shall be responsible for furnishing and

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			installing all Masonry reinforcing requirements, including reinforcing bars, dowels, shear bars, wall ties, straps, anchors, and other items required for completion of contractors work as indicated on construction documents and/or as specified in the project manual. Lintels to be supplied by others.
09	Masonry	09.13	Left Blank
09	Masonry	09.14	This TRADE CONTRACTOR shall be responsible for all expansion and/ or control joints required as shown and /or as required by the technical agency with jurisdiction (i.e. National Concrete Masonry Institute of America (NCMA), etc), including but not necessarily all expansion and control joint fillers, sealant, backer rods, preformed gaskets, and steel bars requirements as indicated on construction documents and/or as specified in the project manual.
09	Masonry	09.15	Left Blank
09	Masonry	09.16	This Masonry Trade Contractor is responsible to furnish, install and/or otherwise complete all masonry related concrete, grout filling and steel reinforcement.
09	Masonry	09.17	Left Blank
09	Masonry	09.18	Left Blank
09	Masonry	09.19	The industry rule of thumb term “Use is Acceptance” will be enforced. That is, if masonry work is performed, it will be assumed that this Masonry Trade Contractor has accepted the quality and coordination of the work of other trade contractors that this Masonry Trade Contractor is working on or against.
09	Masonry	09.20	This Masonry Trade Contractor is responsible for preparing (i.e. cleaning) adjacent surfaces (i.e. concrete foundation tops, etc.) prior to masonry installation. Start of work by this Masonry Trade Contractor on top of or against concrete or any other surface means this Masonry Trade Contractor has accepted the quality and completeness of that surface.
09	Masonry	09.21	This Masonry Trade Contractor is responsible to furnish and install all full height, full width interior and/or exterior masonry related sealant and caulking including but not necessarily limited to masonry to masonry, masonry to any other material, etc. Sealant and caulking shall comply with the fire rating requirements of the wall where installed.
09	Masonry	09.22	This Masonry Trade Contractor will protect all masonry related materials on site either prior to installation, during installation and/or until final acceptance by Construction Manager.
09	Masonry	09.23	This Masonry Trade Contractor is responsible to furnish and install all miscellaneous masonry accessories including but not necessarily limited to wire mesh, wall ties, pins, etc.
09	Masonry	09.24	This Masonry Trade Contractor is responsible for any and all masonry related shoring and bracing.
09	Masonry	09.25	This Masonry Trade Contractor is responsible to furnish, install and/or otherwise complete all masonry related concrete, grout filling and steel reinforcement.

END SECTION 00300

UNITED STATES PATENT #8,016,149, ISSUED SEPTEMBER 13, 2011

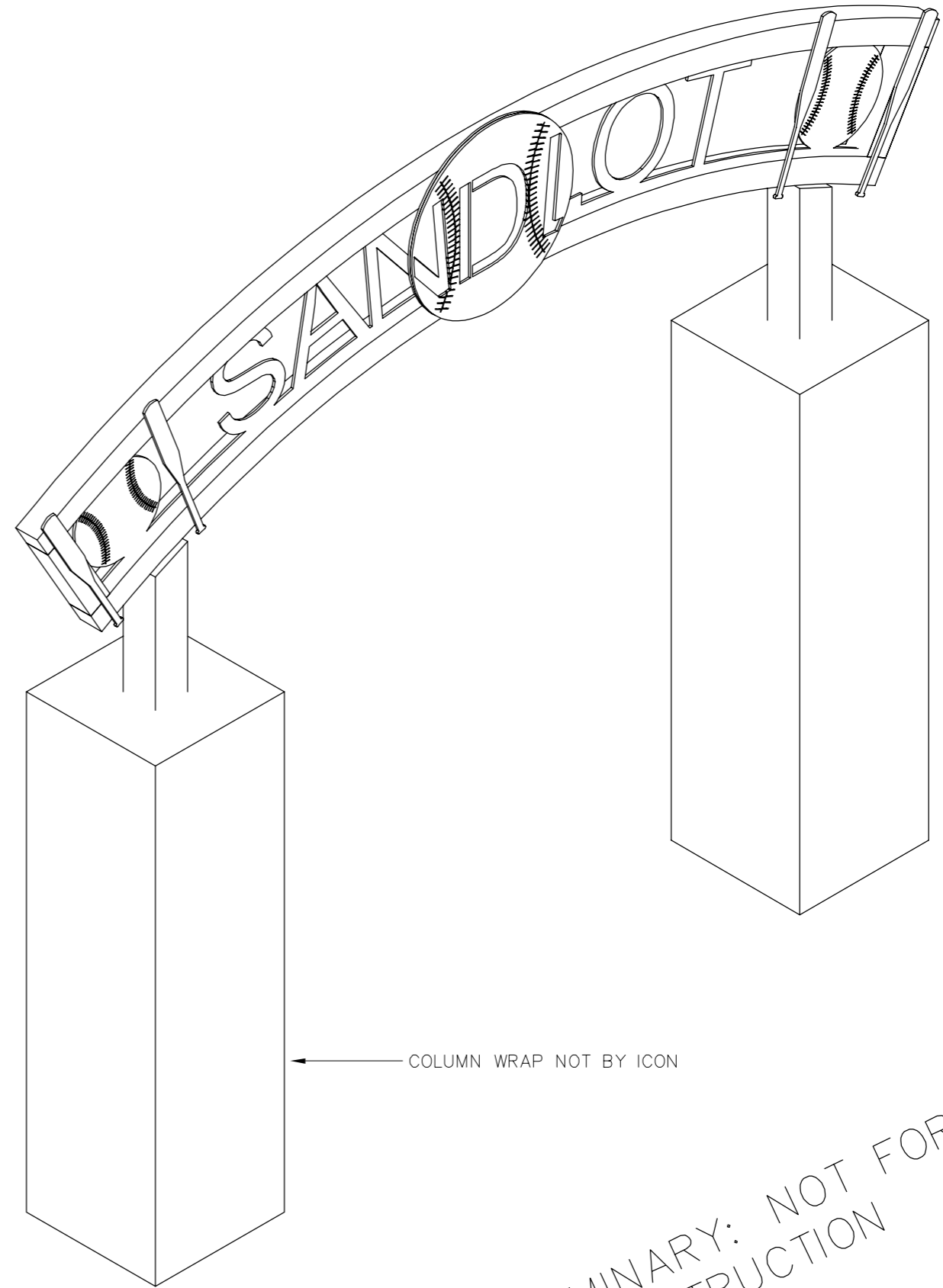
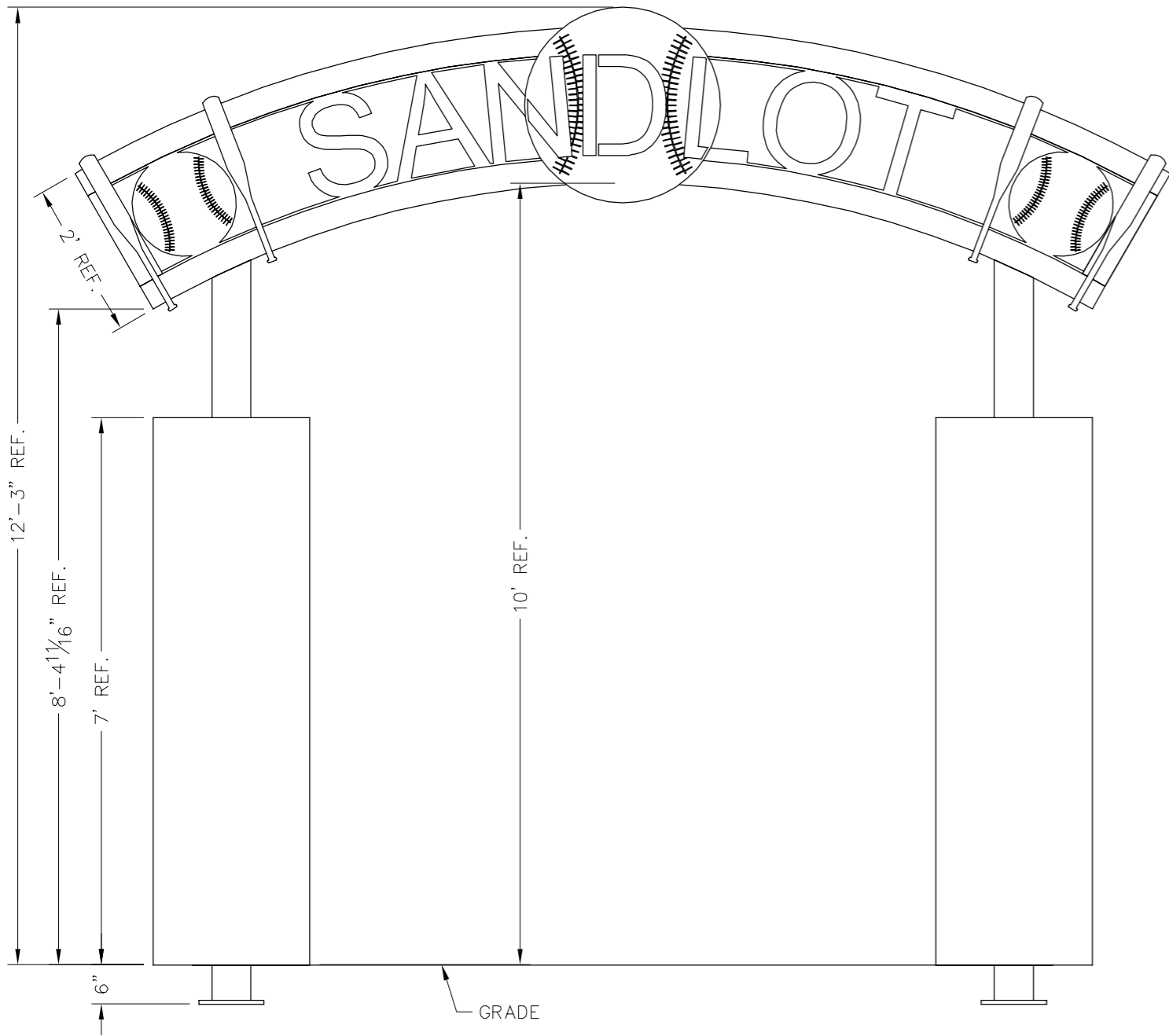
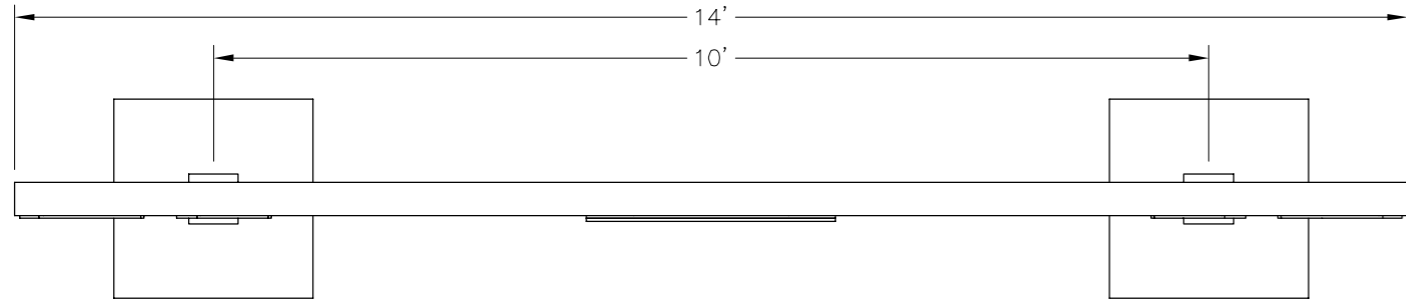


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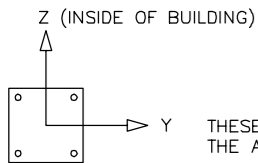
Elevation

DRAWN BY:	ACP
DATE:	11/14/2017
PRELIMINARY ID:	50232
REVISION:	A
BUILDING TYPE:	EA10-10-P5
PROJECT NAME:	

PRELIMINARY: NOT FOR CONSTRUCTION

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DWG:gineering\Standards\Shelters\EA\10\10-P5-25-90-30\Drawings\Preliminary\EA10x1-10-P5-25-90-30~50232.DWG



THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

CL1

LOADS TO FOUNDATION (KIPS, IN-KIPS)	FOUNDATION LOADS				
	AXIAL (Fx)	SHEAR (Fy)	SHEAR (Fz)	MOMENT (My)	MOMENT (Mz)
DL	0.33	0.00	-0.02	1.06	0.00
SL	0.24	0.00	-0.03	1.54	0.00
W-UPLIFT	-0.31	0.00	0.20	-15.02	0.00
W-FY	-0.10	-0.19	-0.01	0.65	-26.93
W-FZ	-0.31	0.00	0.20	-15.02	0.00
E-FY	0.00	-0.15	0.00	0.00	-20.94
E-Z	-0.16	0.00	0.15	-11.18	0.00

- NOTES:**
- TABLE SHOWS UNFACTORED SERVICE LOADS
 - A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY ICON SHELTER SYSTEMS INC.
 - A LICENSED ENGINEER FAMILIAR WITH SOIL CONDITIONS AT CONSTRUCTION SITE MUST PERFORM A FOUNDATION DESIGN.
 - THE STRUCTURE HAS BEEN ENGINEERED AS AN OPEN STRUCTURE.
 - CONSULT ICON SHELTER SYSTEMS INC. IF THE STRUCTURE IS TO BE ENCLOSED.
 - COORDINATES ARE LOCAL TO THE COLUMN

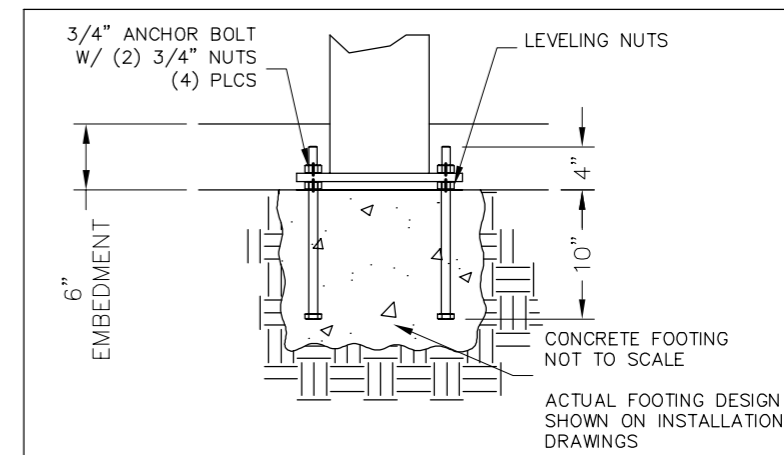
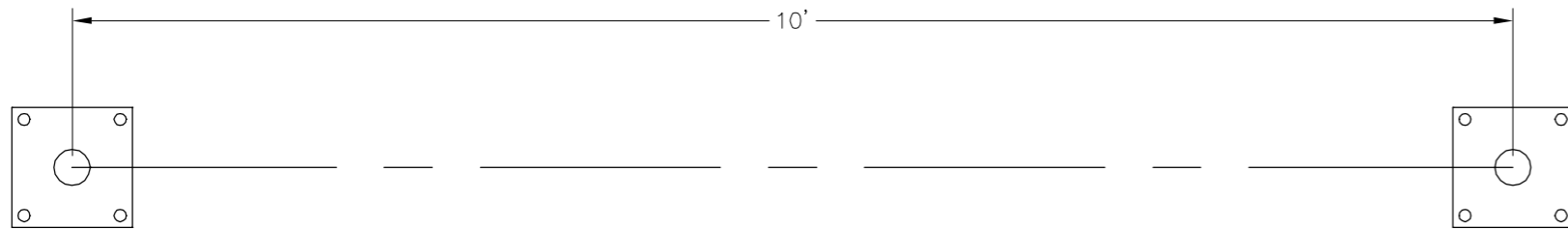
- DEFINITIONS:**
- DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD
 - SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD
 - W-UL = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD
 - W-Y = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
 - W-Z = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST SHEAR VALUE ACTING IN THE SAME DIRECTION AS THE DL SHEAR LOAD
 - E-Y = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
 - E-Z = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION

PRELIMINARY: NOT FOR CONSTRUCTION

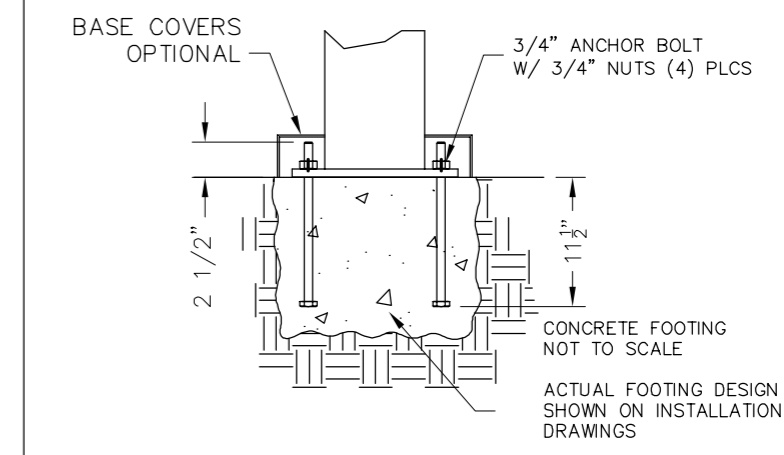
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Shelter Systems Inc
DISTINCTIVE STEEL SHELTERS
WWW.ICONSHELTERS.COM
COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.
1455 LINCOLN AVE.
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 6X6X3/16



PRELIMINARY DRAWINGS SHOWN AS 6" BURIED
STANDARD BASE CONNECTION
COLUMN TYPE: A (6" BURIED)



OPTIONAL BASE CONNECTION
COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

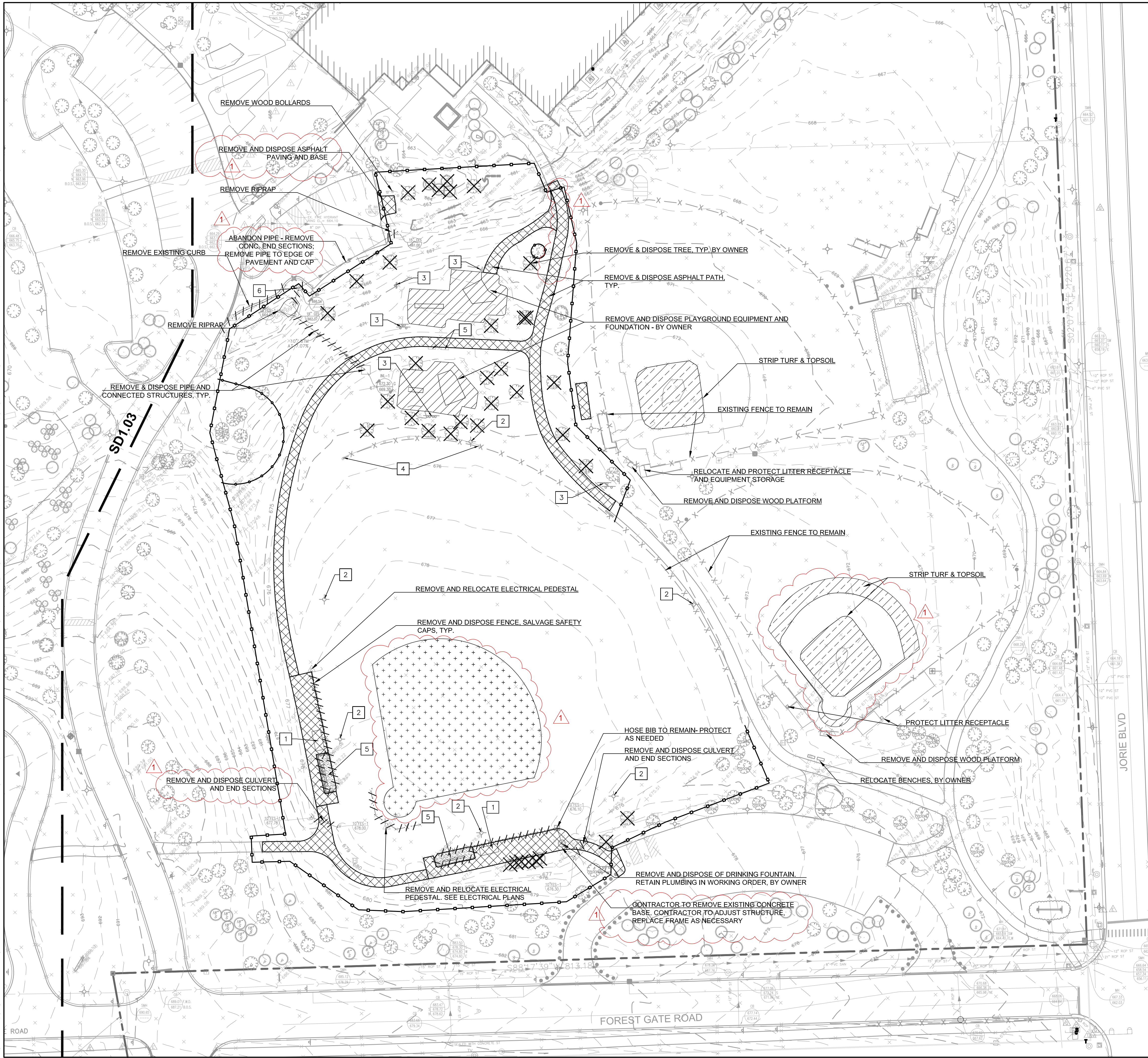
Anchor Bolt Layout

DRAWN BY:	ACP
DATE:	11/14/2017
PRELIMINARY ID:	50232
REVISION:	A
BUILDING TYPE:	EA10-10-P5
PROJECT NAME:	

SHEET
2.0

DWG:engineering\Standards\Shelters\EA10\10-P5-25-90-30\Drawings\Preliminary\EA10x1-10-P5-25-90-30~50232.DWG

S:\Darren\Oak Brook Park District\646-03_Oak Brook PD Central Park Improvements\01\DWG\CD\03-DEMOLITION PLAN_SD1.01.dwg ralexander Dec 14, 2017 3:56:08 pm
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LEGEND

- X ITEM REMOVAL
- //// LINEAR ITEM REMOVAL
- /// WOODCHIP SURFACING REMOVAL BY OWNER
- XXXX ASPHALT PAVEMENT REMOVAL
- + + + + INFIELD MIX, STRIP AND STOCKPILE
- /// STRIP TURF & TOPSOIL
- /// AGGREGATE SURFACE REMOVAL
- CONSTRUCTION FENCE
- TREE PROTECTION FENCE

- KEY NOTES**
- 1 RELOCATE AND PROTECT BLEACHERS
 - 2 REMOVE AND DISPOSE SPORTS LIGHTING, BY OTHERS
 - 3 REMOVE SIGNAGE, BY OWNER
 - 4 REMOVE AND DISPOSE SAFETY NETS AND POSTS
 - 5 REMOVE AND SALVAGE BENCH
 - 6 REMOVE AND DISPOSE OF MANHOLE

- DEMOLITION NOTES:**
1. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES DURING DEMOLITION & CONSTRUCTION ACTIVITIES, WHETHER SHOWN ON THE PLANS OR NOT, UNLESS OTHERWISE SPECIFIED. ANY RELOCATION, ADJUSTMENTS, CONFLICTS, ETC. SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR TO LOCATE ALL PUBLIC & PRIVATE UTILITIES IN THE RIGHT-OF-WAY AND SITE PRIOR TO CONSTRUCTION.
 2. ALL EXISTING CURB TO REMAIN UNLESS OTHERWISE SPECIFIED. ANY CURB DAMAGED DURING DEMOLITION SHALL BE REPLACED IN KIND.
 3. ALL EXISTING SIGNS & LIGHT POLES TO REMAIN AND BE PROTECTED UNLESS OTHERWISE SPECIFIED. SIGNS SCHEDULED FOR REMOVAL WILL BE REMOVED BY THE OWNER.
 4. ANY UTILITY ADJUSTMENTS, CONFLICTS, RELOCATIONS, ETC. REQUIRED SHALL BE COORDINATED WITH ENGINEER AND UTILITY OWNER/PROVIDER.
 5. ALL EXISTING TREES TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED.
 6. TREE REMOVAL BY OWNER. CONTRACTOR SHALL COORDINATE WITH OWNER FOR REMOVAL OF TREES THAT ARE DESIGNATED FOR REMOVAL THAT ARE STILL PRESENT AT THE START OF DEMOLITION.
 7. COORDINATE ALL ELECTRICAL, CABLE FIBER, ETC., REMOVAL/RELOCATION WITH MEP PLANS. CONTRACTOR SHALL PROTECT ALL EXISTING ELECTRIC SERVICES DURING CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS.
 8. ALL EXISTING SHRUBS, BUSHES, AND LANDSCAPING IN CONFLICT WITH SITE IMPROVEMENTS SHALL BE REMOVED.
 9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DAMAGED PUBLIC/PRIVATE PROPERTY OR ROADWAY AS A RESULT OF CONSTRUCTION ON THIS SITE. THE ROADWAY EASEMENT MUST BE RESTORED TO EXISTING OR BETTER CONDITION.
 10. EXISTING DRAINAGE STRUCTURES TO BE PROTECTED. SEE DETAIL.

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△	APPENDIX I	12-14-17
	ISSUED FOR BID	12-6-17
REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
OAK BROOK, IL 60523

DEMOLITION PLAN

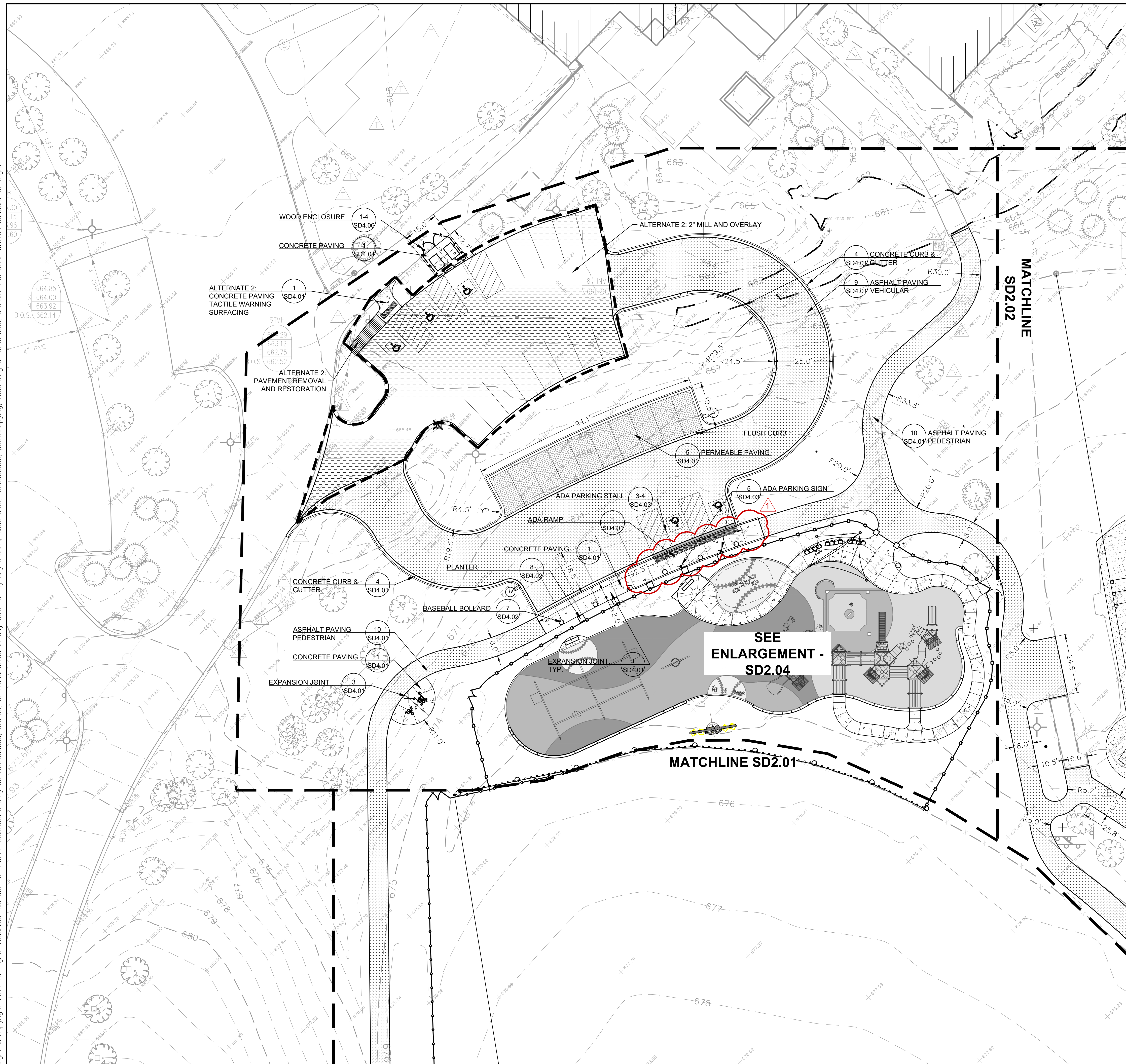
Project Number:
 5646-03
 Drawn By:
 Sheet:

1" = 40'
 0' 20' 40' 120'

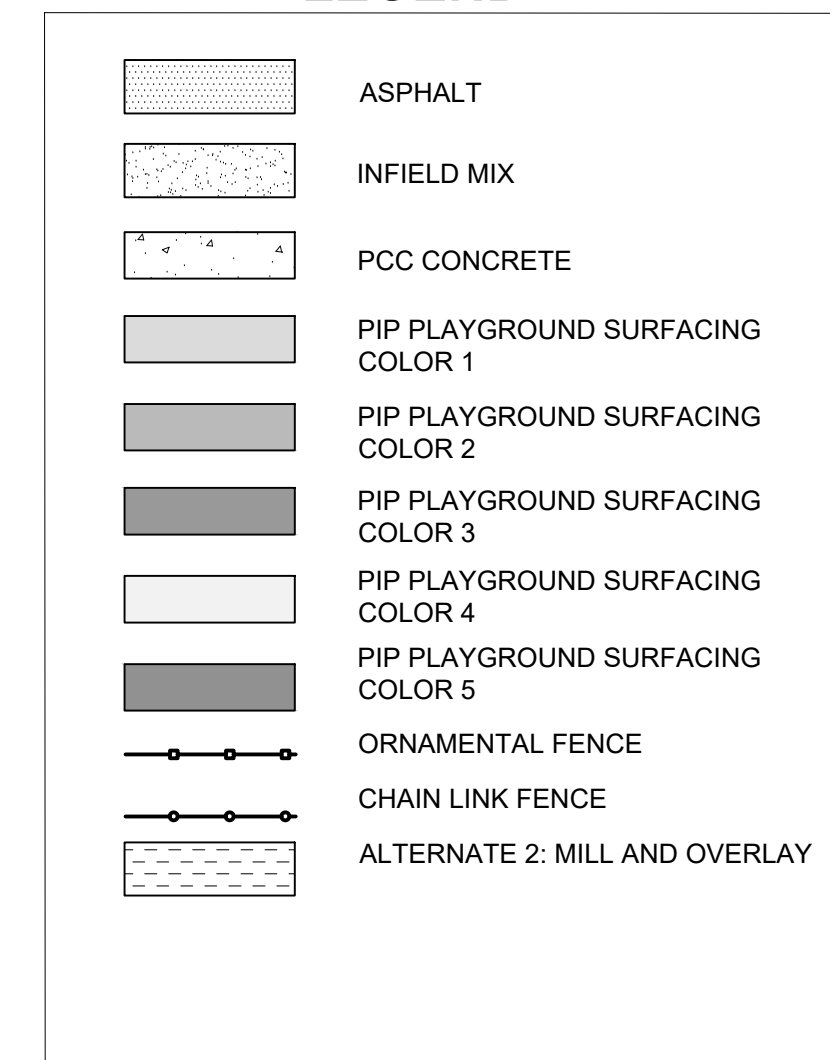
NOT FOR CONSTRUCTION

SD1.02

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LEGEND



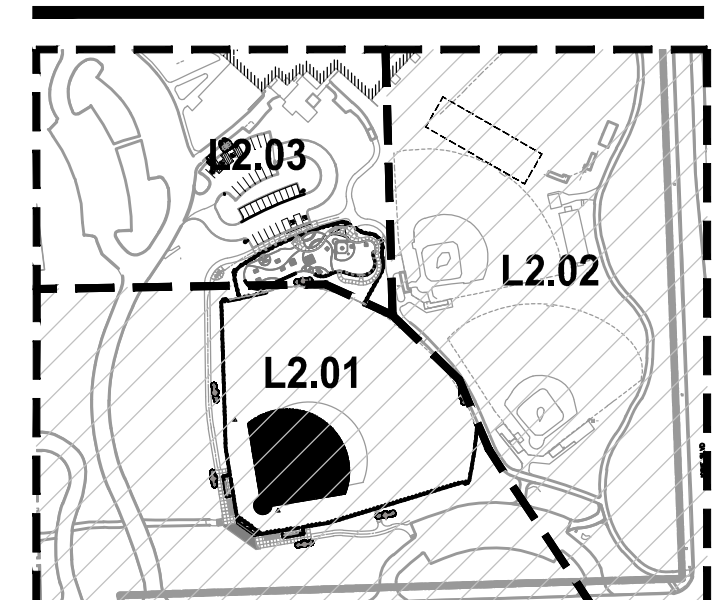
SITE LAYOUT & MATERIALS PLAN NOTES

- ALL DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. ALL RADI DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT.
- INSTALL PLAY EQUIPMENT(PURCHASED BY OWNER) ACCORDING TO MANUFACTURER'S SPECIFICATIONS
- POURED IN PLACE RUBBER PLAY SURFACE BY SOFSURFACES OR APPROVED EQUAL.
- ALTERNATE 2: MILL AND OVERLAY 2" ASPHALT SURFACE COURSE. RESTRIPE LOT AS SHOWN. INSTALL CONCRETE CURB RAMP WITH TACTILE WARNING STRIP. REMOVE ASPHALT PAVEMENT AND BASE AND RESTORE WHERE INDICATED.



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△	ADDENDUM 1	12-14-17
	ISSUED FOR BID	12-6-17
REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

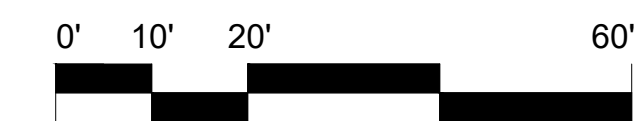
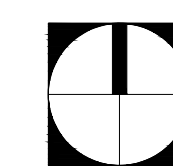
1500 FOREST GATE ROAD
OAK BROOK, IL 60523

SITE LAYOUT AND MATERIALS PLAN

Project Number:
 5646-03
 Drawn By:

Sheet:

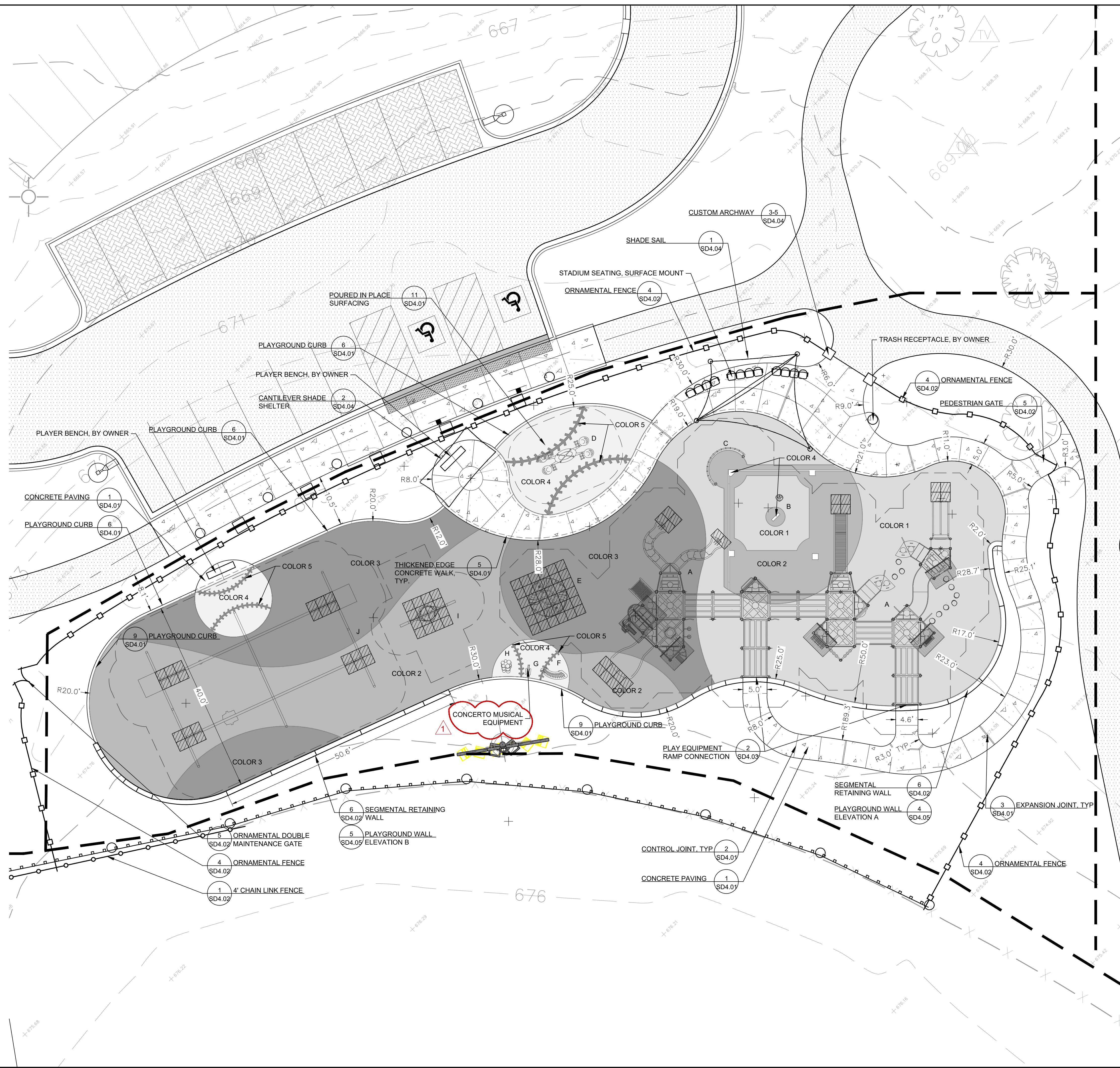
SD2.03



1" = 20'

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LEGEND

	ASPHALT
	INFIELD MIX
	PCC CONCRETE
	PIP PLAYGROUND SURFACING COLOR 1
	PIP PLAYGROUND SURFACING COLOR 2
	PIP PLAYGROUND SURFACING COLOR 3
	PIP PLAYGROUND SURFACING COLOR 4
	PIP PLAYGROUND SURFACING COLOR 5
	2' X 2' RUBBER TILE WITH CONCRETE BASE
	ORNAMENTAL FENCE
	CHAIN LINK FENCE

SITE LAYOUT & MATERIALS PLAN NOTES

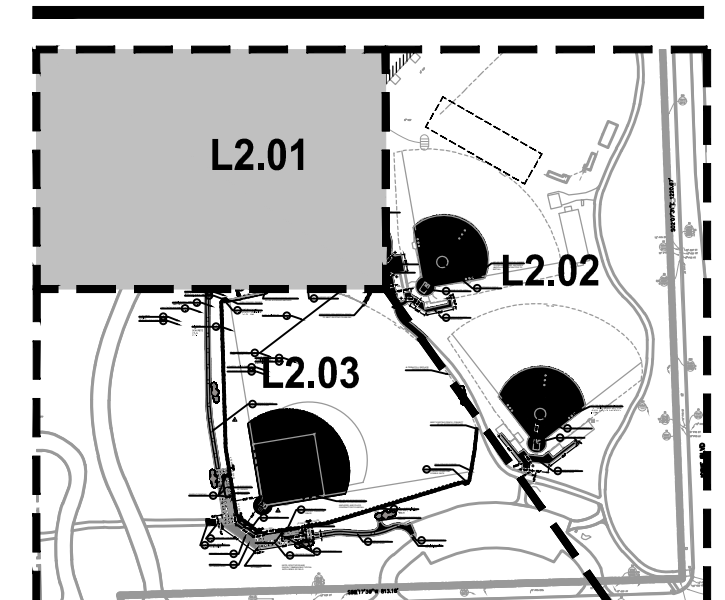
1. ALL DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. ALL RADI DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT.
2. INSTALL PLAY EQUIPMENT(PURCHASED BY OWNER) ACCORDING TO MANUFACTURER'S SPECIFICATIONS
3. POURED IN PLACE RUBBER PLAY SURFACE BY SOFSURFACES OR APPROVED EQUAL.
4. 2'X2' RUBBER TILES BY SOFSURFACES OR APPROVED EQUAL. COLORS TO MATCH SURROUNDING SURFACE.

PLAY COMPONENT LEGEND

KEY	DESCRIPTION	MANUFACTURER / REP
A	COMPOSITE STRUCTURE	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
B	SOLO SPINNER	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
C	CURVED CLIMBING WALL	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
D	WEE SAW	LANDSCAPE STRUCTURES NUTOYS- KEVIN DRISCOLL PH: 708-579-9055
E	REVOLUTION SPINNER	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
F	CONCERTO VIBES	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
G	CONCERTO 5 CONGAS	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
H	CONCERTO LARGE CABASA	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191
I	ARCH SWING SINGLE ES1000	ELEPHANT PLAY ALL INCLUSIVE REC- STEWERT MACKAY PH: 573-701-9787
J	DOUBLE TRACK RIDE	LITTLE TIKES COMMERCIAL PARKREATION- PAUL GOZDER PH: 815-892-9191

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REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

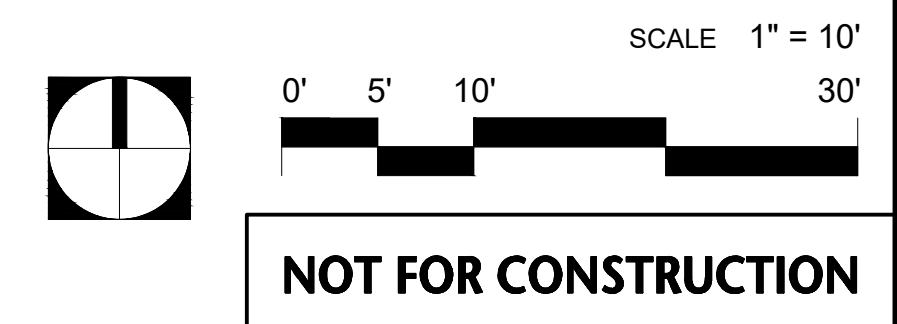
1500 FOREST GATE ROAD
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SITE LAYOUT AND MATERIALS PLAN

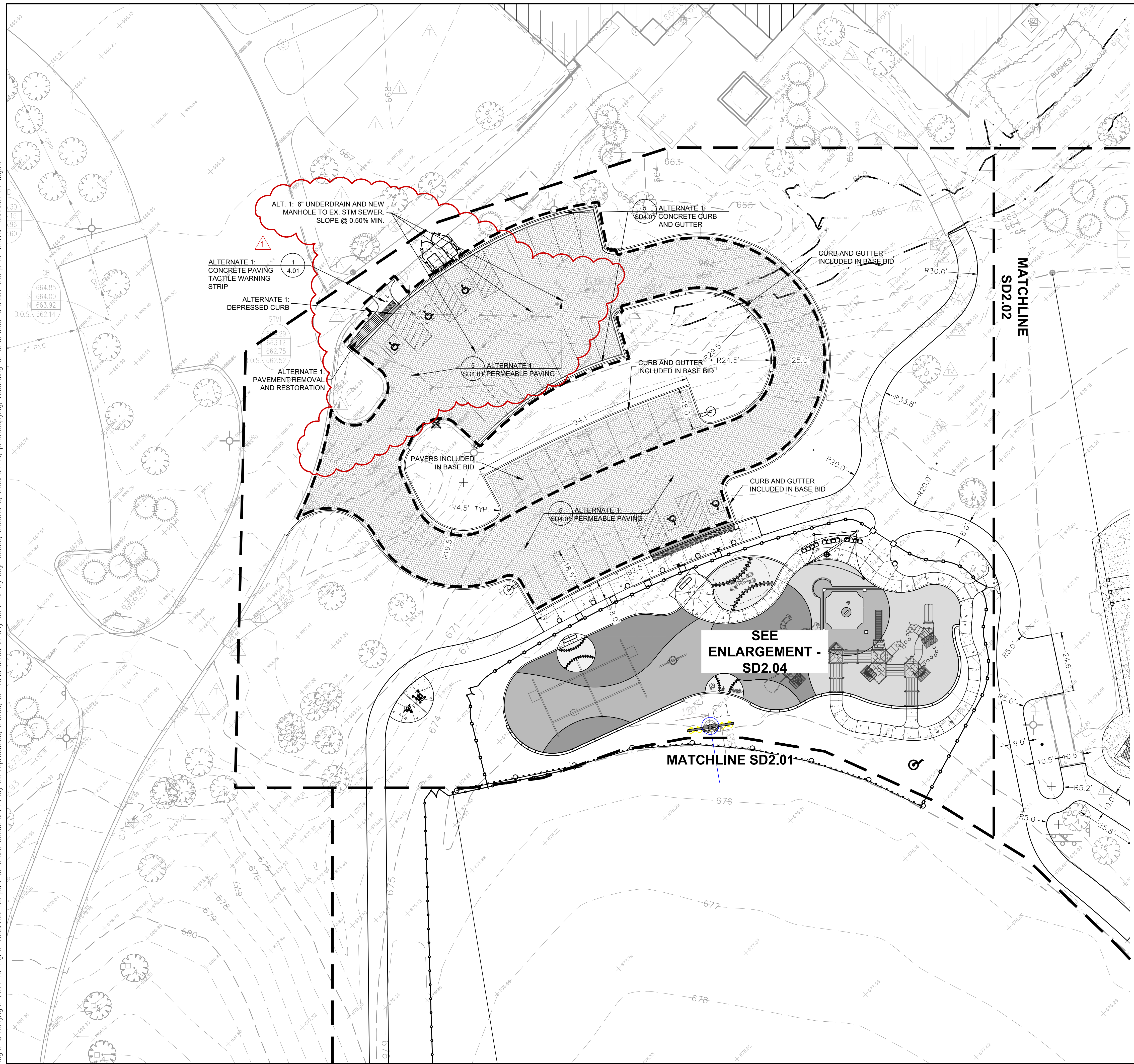
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Sheet:

SD2.04



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LEGEND

- ASPHALT
- INFIELD MIX
- PCC CONCRETE
- PIP PLAYGROUND SURFACING COLOR 1
- PIP PLAYGROUND SURFACING COLOR 2
- PIP PLAYGROUND SURFACING COLOR 3
- PIP PLAYGROUND SURFACING COLOR 4
- PIP PLAYGROUND SURFACING COLOR 5
- PIP PLAYGROUND SURFACING COLOR 6
- ORNAMENTAL FENCE
- CHAIN LINK FENCE

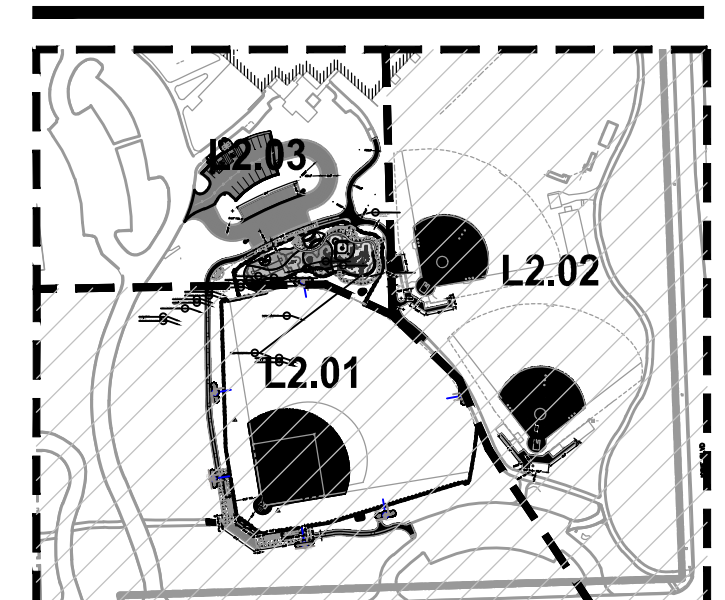
SITE LAYOUT & MATERIALS PLAN NOTES

1. ALL DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN. ALL RADI DIMENSIONS ARE TO THE BACK OF CURB/EDGE OF PAVEMENT.
2. INSTALL PLAY EQUIPMENT(PURCHASED BY OWNER) ACCORDING TO MANUFACTURER'S SPECIFICATIONS
3. POURED IN PLACE RUBBER PLAY SURFACE BY SOFSURFACES OR APPROVED EQUAL.
4. ALTERNATE 3: PERMEABLE PAVERS FOR EXISTING AND PROPOSED LOT. EXISTING ASPHALT AND BASE TO BE REMOVED AND DISPOSED OF. BASE MAY BE REUSED ON SITE WHERE APPROPRIATE; IT MAY NOT BE REUSED BENEATH PERMEABLE PAVING. EXCAVATE AS NEEDED FOR PERMEABLE PAVERS AND BASE. INCLUDED CURB AND GUTTER WHERE SHOWN MEETING EXISTING PROFILE AND FLOW LINES. OMIT FLUSH CURB FROM BASE BID. INSTALL CONCRETE CURB RAMP AND TACTILE WARNING STRIP. STRIPE ENTIRE PARKING LOT AS SHOWN. RELOCATE ADA SIGNAGE.

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CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
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ALTERNATE SITE LAYOUT AND MATERIALS PLAN

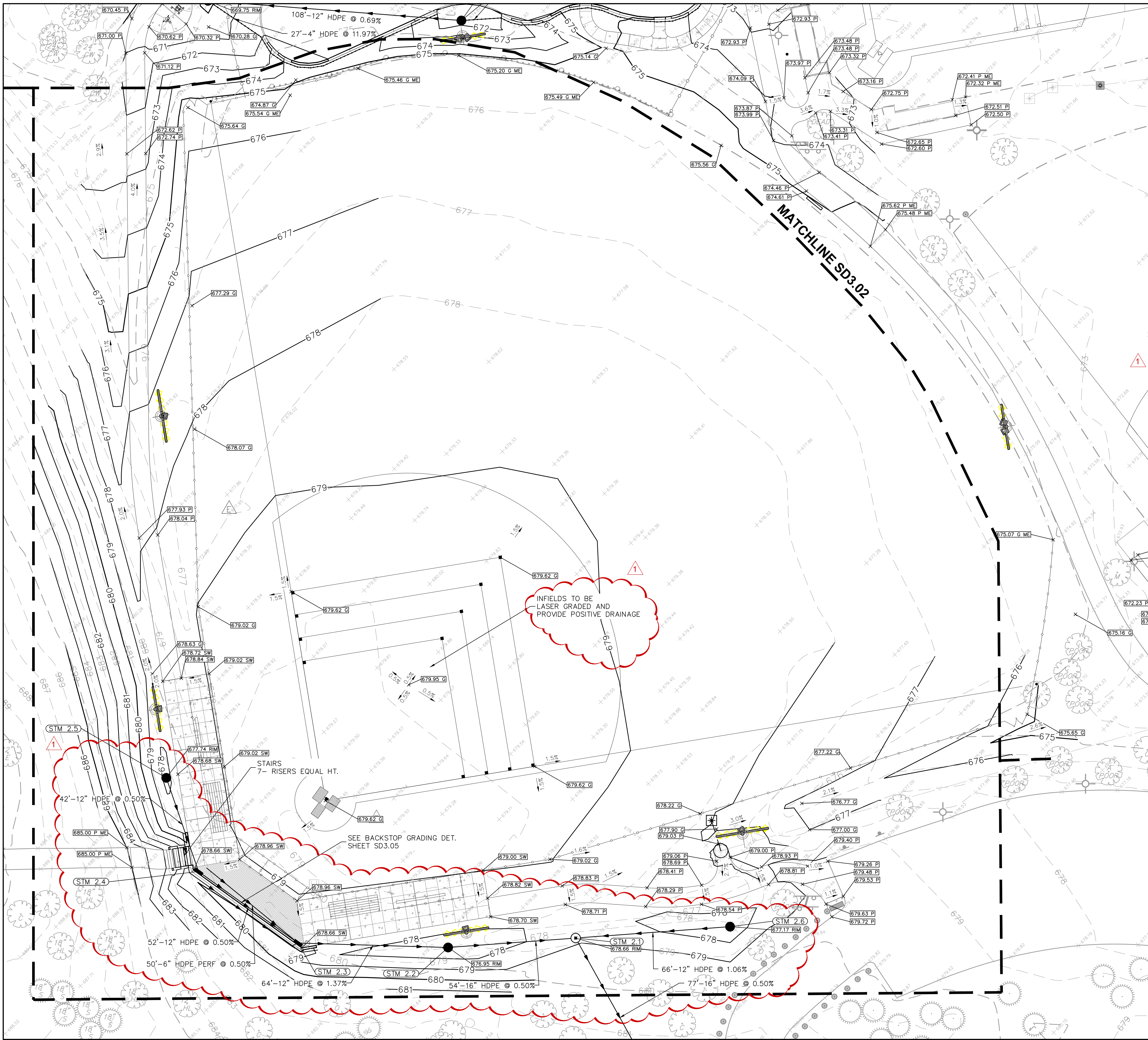
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 Drawn By:

Sheet:
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1" = 20'

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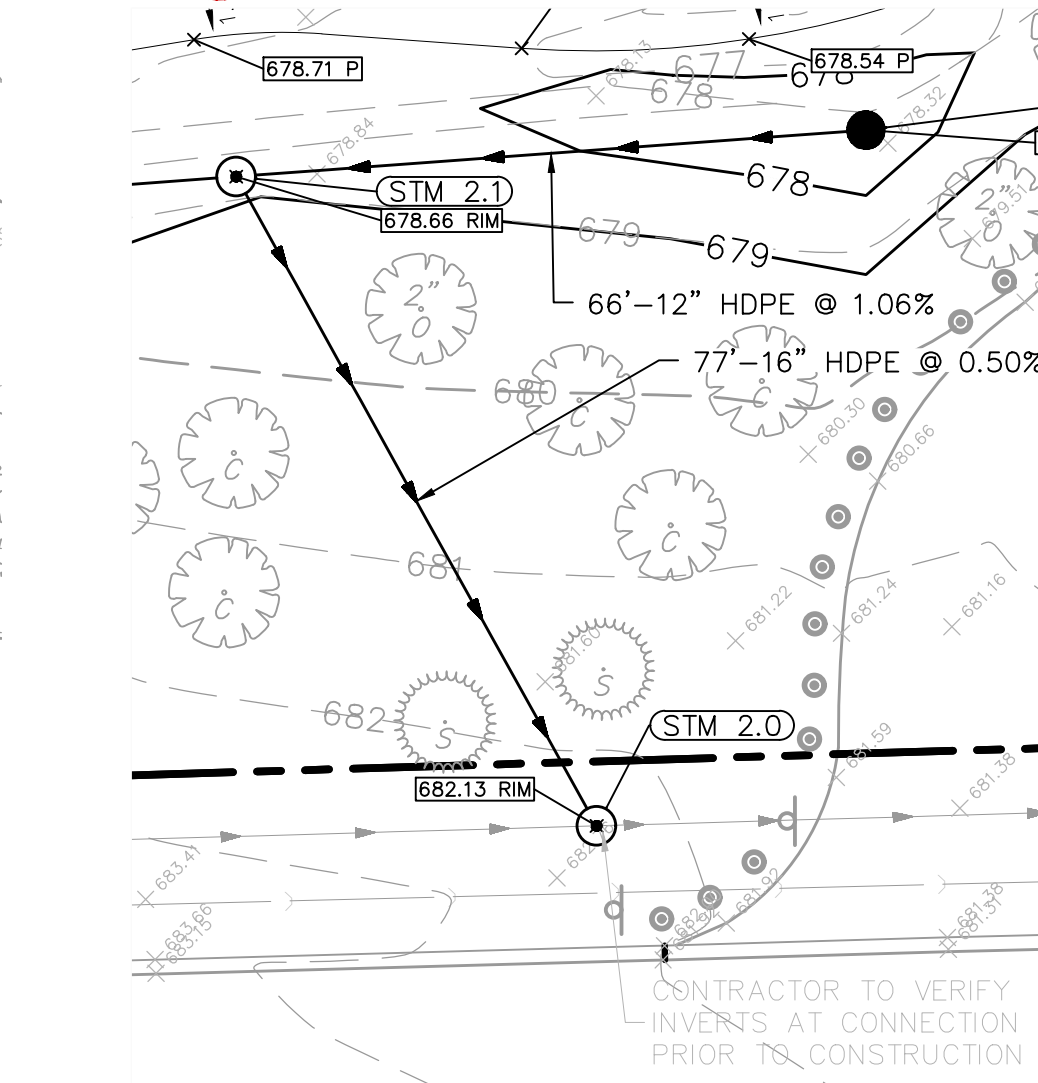
GRADING AND DRAINAGE NOTES:

1. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE FROM PLAYGROUND AREA
2. CONTRACTOR TO VERIFY INVERT OF EXISTING STRUCTURE AND CONFIRM FUNCTIONALITY OF PROPOSED SYSTEM PRIOR TO INSTALLATION. REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT IMMEDIATELY.
3. THE CONTRACTOR SHALL PROTECT ANY AND ALL TREES EITHER SHOWN OR NOT SHOWN ON THE PLANS UNLESS OTHERWISE SPECIFIED. MINIMUM PROTECTION FOR TREES SHALL BE 4' CONSTRUCTION FENCE INSTALLED ALONG THE DRIP LINE OF TREES.
4. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES.
5. PLAY AREA SUBGRADES SHALL PITCH TO UNDERTRAIN AT 0.5%.

LEGEND

ME	MATCH EXISTING ELEVATION
11.77 P	TOP OF PAVEMENT ELEVATION
11.77 P TC	TOP OF CURB ELEVATION
11.77 P FC	TOP OF DEPRESSED CURB ELEVATION
11.77 P FG	TOP OF FLUSH CURB ELEVATION
11.77 G	GROUND ELEVATION
11.77 SW	TOP OF SIDEWALK ELEVATION
11.77 RM	RIM ELEVATION
11.77 TW	TOP OF WALL ELEVATION
11.77 PS	PLAYGROUND SURFACE ELEVATION
- - - 745 - - -	EXISTING CONTOUR LINE
— 745 —	PROPOSED CONTOUR LINE
2.0%	SLOPE/FLOW DIRECTION
●	CATCH BASIN
— > —	UNDERDRAIN
— >> —	STORM SEWER
— — — — —	TRENCH & BACKFILL

Structure Table		
Structure	Structure Descriptions	Structure Details
STM 2.0	4' TY. A MH TY. 1 F&G, CL	RIM = 682.13 16" NW = 673.00
STM 2.1	4' TY. A MH TY. 1 F&G, CL	RIM = 678.66 16" W = 673.39 12" E = 673.40 16" SE = 673.39
STM 2.2	3' TY. B INL TY. 1 F&G, OL	RIM = 676.95 12" W = 673.66 16" E = 673.66
STM 2.3	18" NYLOPLAST DRAIN BASIN 12" PED. GRATE	RIM = 678.68 12" NW = 674.53 4" SW = 677.13 6" NW = 676.44 12" E = 674.53
STM 2.4	12" NYLOPLAST DRAIN BASIN 12" PED. GRATE	RIM = 678.68 12" N = 674.79 12" SE = 674.79
STM 2.5	2' TY. A INL TY. 1 F&G, OL	RIM = 677.74 12" S = 675.00
STM 2.6	2' TY. A INL TY. 1 F&G, OL	RIM = 677.17 12" W = 674.10



FOREST GATE STM CONNECTION

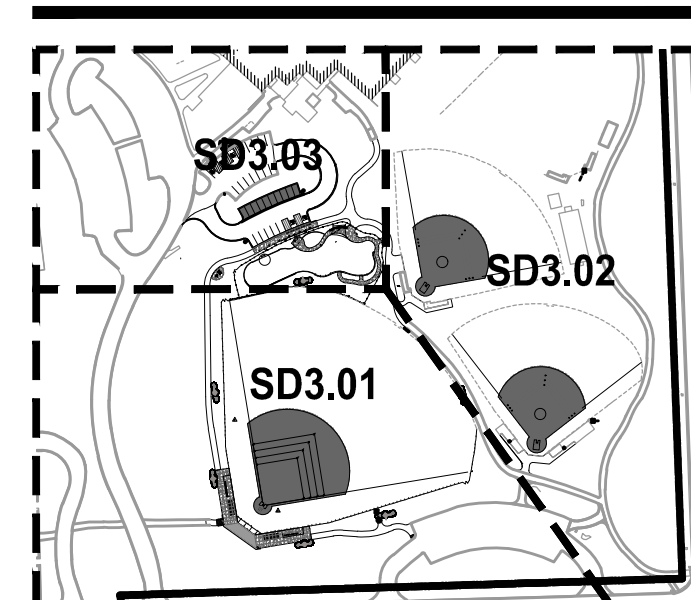
1" = 20'

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CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
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GRADING AND DRAINAGE PLAN

Project Number:
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 Sheet:
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GRADING AND DRAINAGE NOTES:

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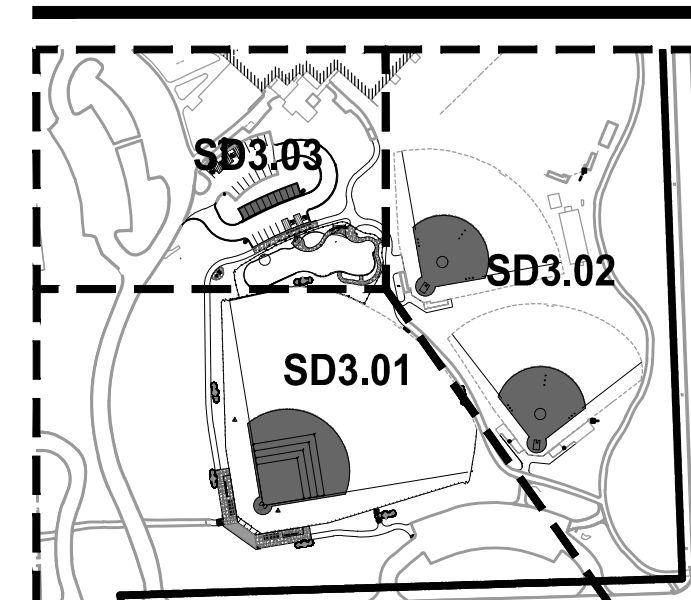
LEGEND

ME	MATCH EXISTING ELEVATION
11.77 P	TOP OF PAVEMENT ELEVATION
11.77 P TC	TOP OF CURB ELEVATION
11.77 P CG	TOP OF DEPRESSED CURB ELEVATION
11.77 P FG	TOP OF FLUSH CURB ELEVATION
11.77 G	GROUND ELEVATION
11.77 SW	TOP OF SIDEWALK ELEVATION
11.77 RW	RIM ELEVATION
11.77 TW	TOP OF WALL ELEVATION
11.77 PS	PLAYGROUND SURFACE ELEVATION
---745---	EXISTING CONTOUR LINE
—745—	PROPOSED CONTOUR LINE
2.0%	SLOPE/FLOW DIRECTION
●	CATCH BASIN
—>	UNDERDRAIN
—>	STORM SEWER
==	TRENCH & BACKFILL



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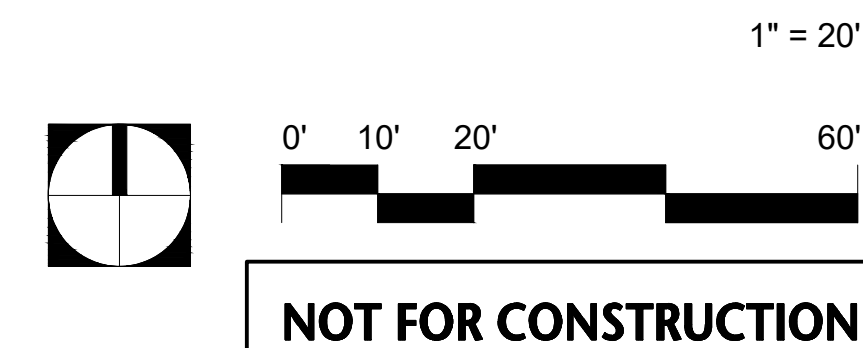
CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
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GRADING AND DRAINAGE PLAN

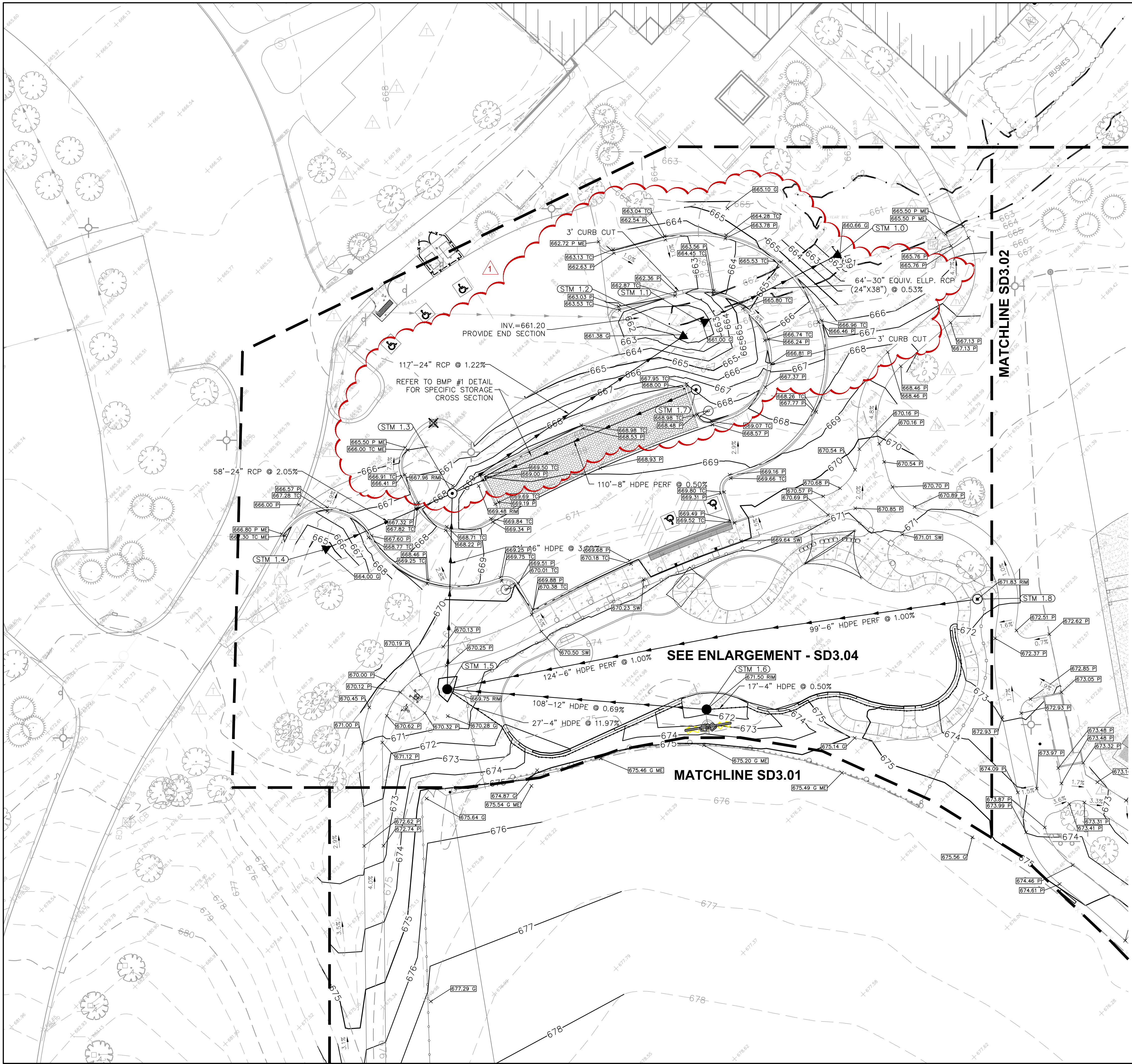
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 Drawn By:

Sheet:



SD3.02

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GRADING AND DRAINAGE NOTES:

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5. PLAY AREA SUBGRADES SHALL PITCH TO UNDERTRAIN AT 0.5%.

LEGEND

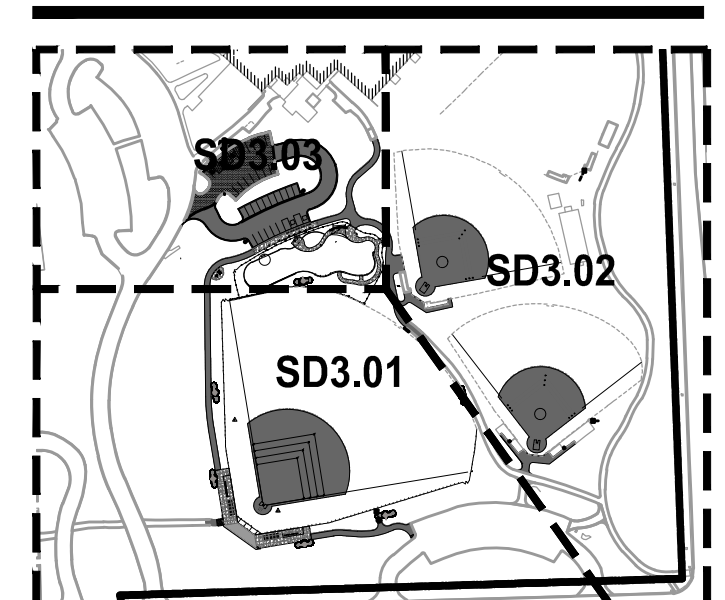
ME	MATCH EXISTING ELEVATION
11.77 P	TOP OF PAVEMENT ELEVATION
11.77 P TC	TOP OF CURB ELEVATION
11.77 P CG	TOP OF DEPRESSED CURB ELEVATION
11.77 P FG	TOP OF FLUSH CURB ELEVATION
11.77 G	GROUND ELEVATION
11.77 SW	TOP OF SIDEWALK ELEVATION
11.77 RM	RIM ELEVATION
11.77 TW	TOP OF WALL ELEVATION
11.77 PS	PLAYGROUND SURFACE ELEVATION
- - - 745 - - -	EXISTING CONTOUR LINE
— 745 —	PROPOSED CONTOUR LINE
2.0%	SLOPE/FLOW DIRECTION
●	CATCH BASIN / INLET
— > —	UNDERDRAIN
— >> —	STORM SEWER
— >>> —	TRENCH & BACKFILL

Structure Table		
Structure	Structure Descriptions	Structure Details
STM 1.0	END SECTION	30" SW = 660.66
STM 1.1	END SECTION	30" NE = 661.00
STM 1.2	END SECTION	24" SW = 661.38
STM 1.3	6' TY. A MH TY. 1 F&G, CL	RIM = 668.11 24" SW = 662.80 16" S = 663.50 8" NE = 666.00 24" NE = 662.80
STM 1.4	END SECTION	24" NE = 664.00
STM 1.5	4' TY. A CB TY. 1 F&G, OL	RIM = 669.75 6" E = 667.27 12" E = 666.46 16" N = 666.00
STM 1.6	2' TY. A INL TY. 1 F&G, OL	RIM = 671.50 12" W = 667.21
STM 1.7	CLEANOUT	RIM = 667.90 8" SW = 666.55
STM 1.8	CLEANOUT	RIM = 671.83 6" W = 669.50

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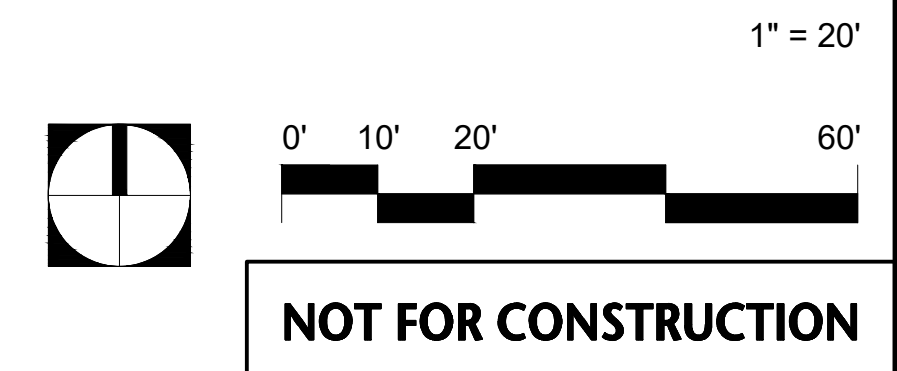
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	ISSUED FOR BID	12-6-17
REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
 OAK BROOK, IL 60523

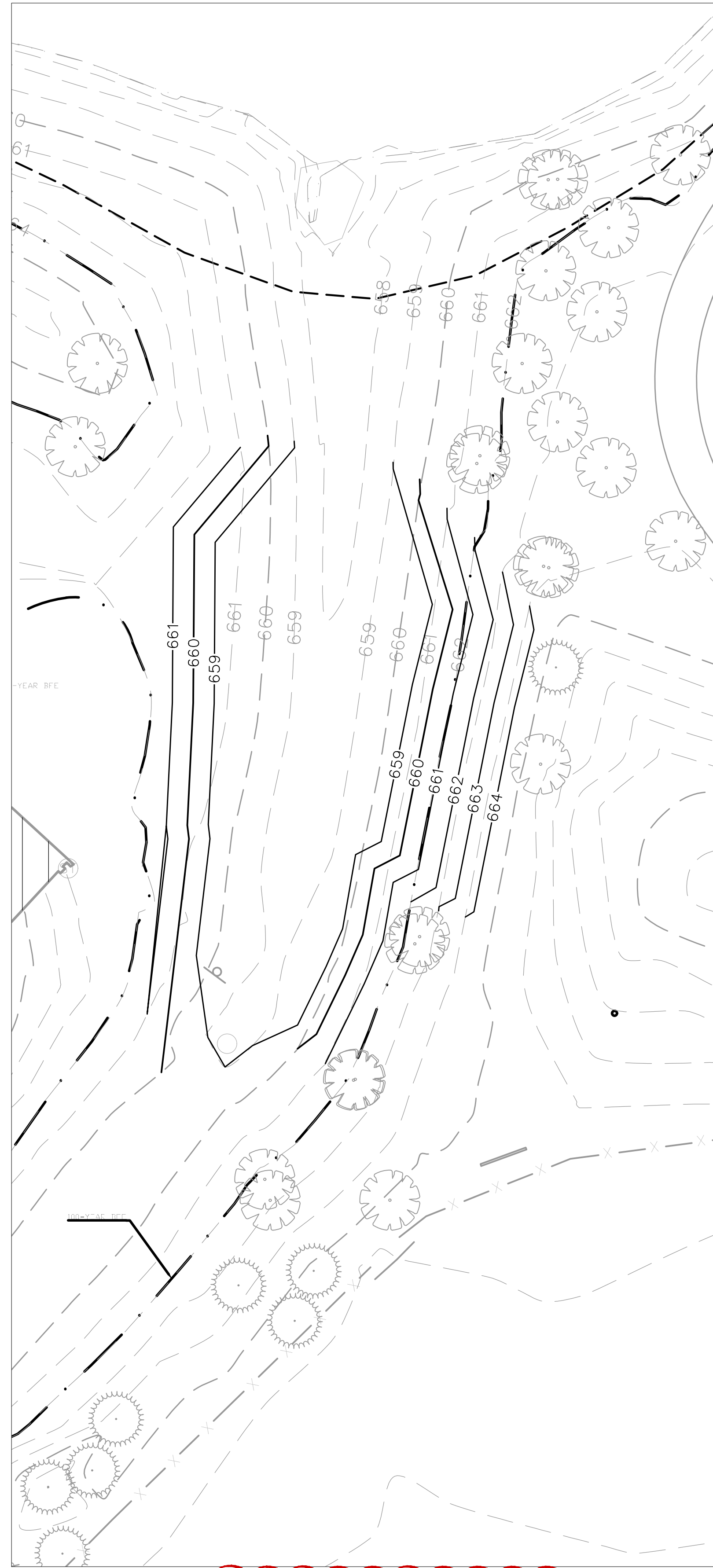
GRADING AND DRAINAGE PLAN

Project Number:
 5646-03
 Drawn By:
 Sheet:

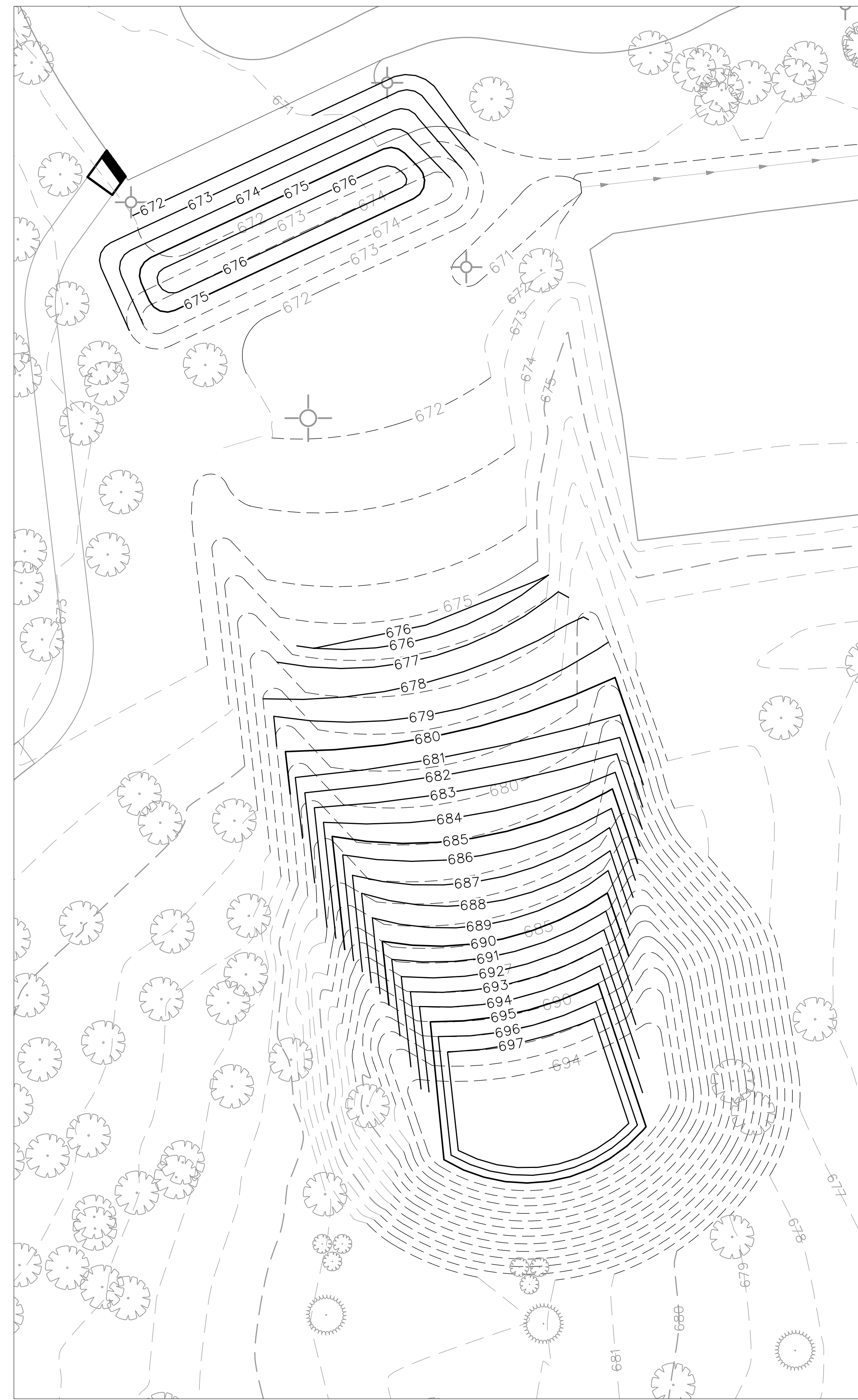


SD3.03

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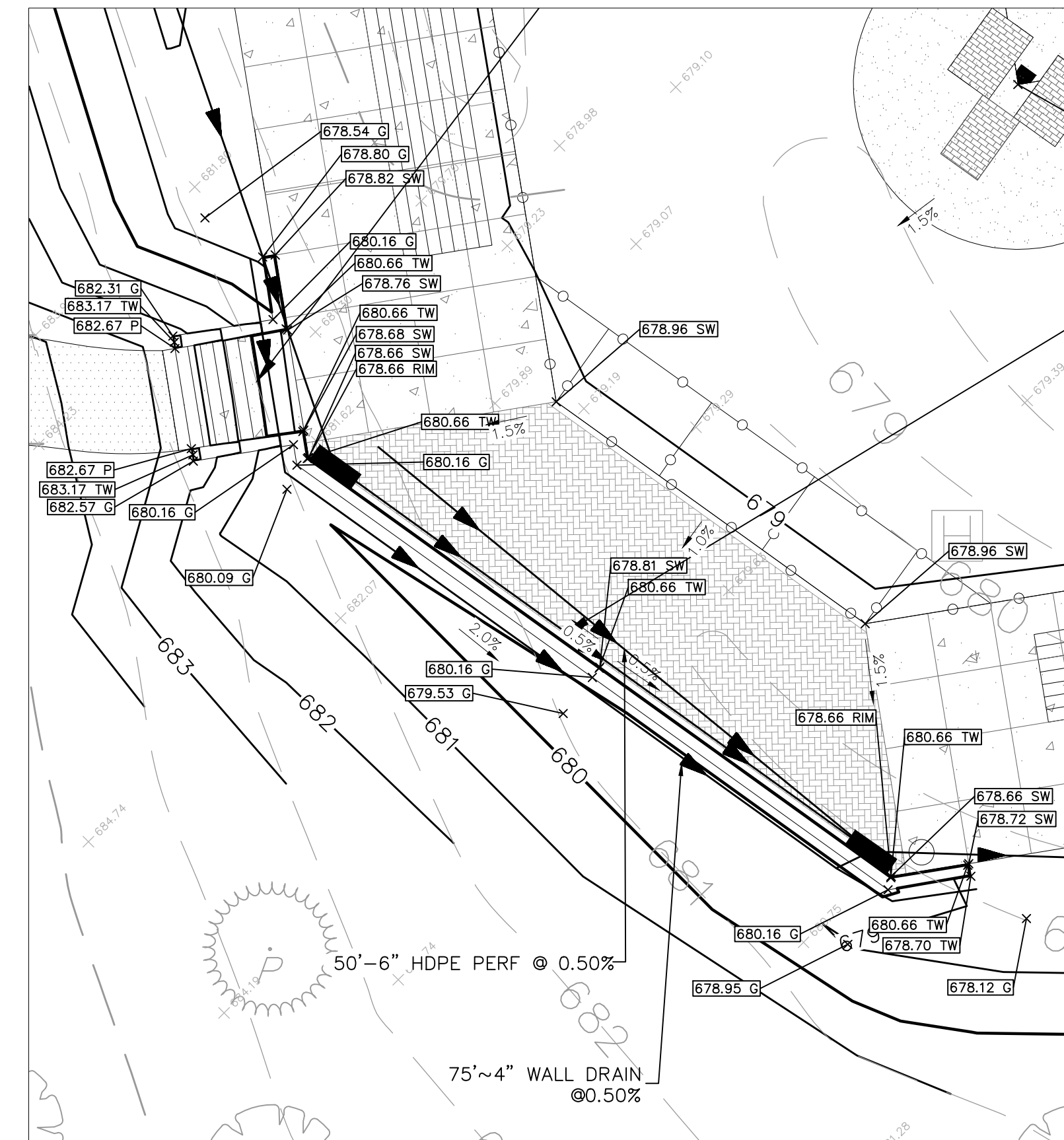


COMP STORAGE CUT 1"=20'



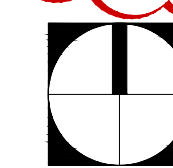
SLED HILL SPOIL AREA 1"=20'

CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT SPOIL ESTIMATES AND TO COORDINATE WITH CIVIL ENGINEER DURING BIDDING PROCESS TO CONFIRM FINAL SLED HILL DESIGN. ANY ADDITIONAL HAUL OFF AFTER CONSTRUCTION NOT ACCOUNTED FOR BY THE CONTRACTOR DURING BIDDING WILL BE THE CONTRACTOR'S RESPONSIBILITY TO HAUL OFF AND DISPOSE OF.



BACKSTOP DETAIL 1"=10'

1" = 20'



NOT FOR CONSTRUCTION

GRADING AND DRAINAGE NOTES:

1. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE FROM PLAYGROUND AREA
2. CONTRACTOR TO VERIFY INVERT OF EXISTING STRUCTURE AND CONFIRM FUNCTIONALITY OF PROPOSED SYSTEM PRIOR TO INSTALLATION. REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT IMMEDIATELY.
3. THE CONTRACTOR SHALL PROTECT ANY AND ALL TREES EITHER SHOWN OR NOT SHOWN ON THE PLANS UNLESS OTHERWISE SPECIFIED. MINIMUM PROTECTION FOR TREES SHALL BE 4' CONSTRUCTION FENCE INSTALLED ALONG THE DRIP LINE OF TREES.
4. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES.
5. PLAY AREA SUBGRADES SHALL PITCH TO UNDERTRAIN AT 0.5%.

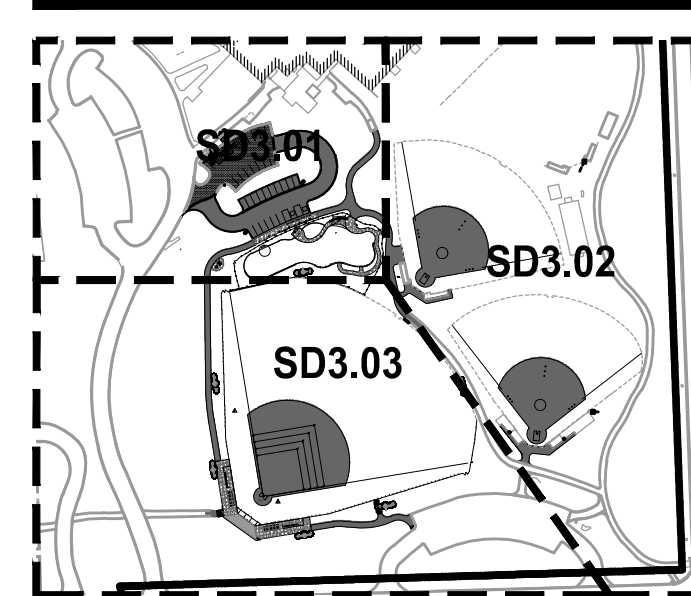
LEGEND

ME	MATCH EXISTING ELEVATION
11.77 P	TOP OF PAVEMENT ELEVATION
11.77 P TC	TOP OF CURB ELEVATION
11.77 P FC	TOP OF DEPRESSED CURB ELEVATION
11.77 P FG	TOP OF FLUSH CURB ELEVATION
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- - - 745 - - -	EXISTING CONTOUR LINE
— 745 —	PROPOSED CONTOUR LINE
2.0%	SLOPE/FLOW DIRECTION
●	CATCH BASIN
— > —	UNDERDRAIN
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— — — — —	TRENCH & BACKFILL

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REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
 OAK BROOK, IL 60523

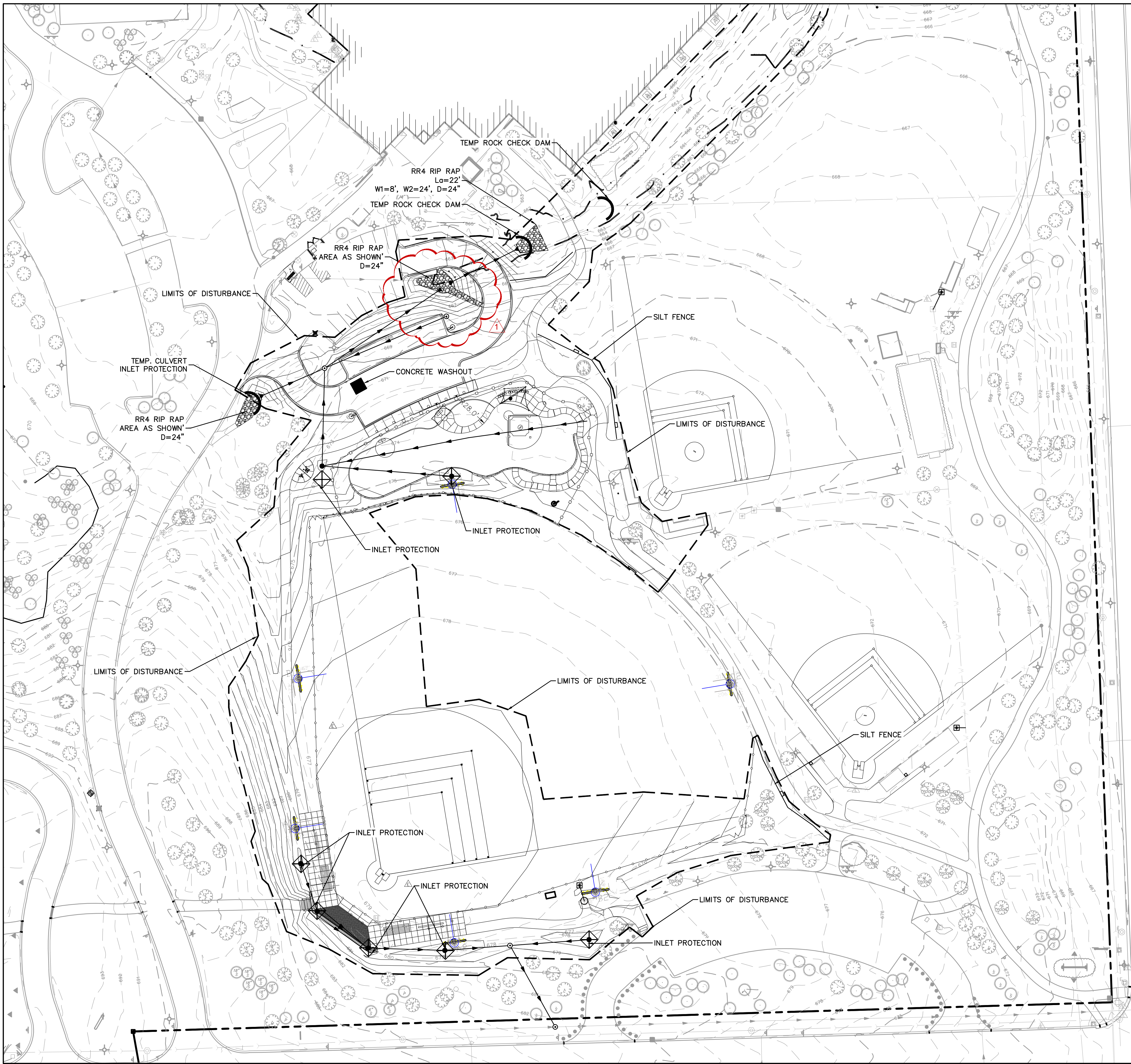
GRADING AND DRAINAGE PLAN

Project Number:
 5646-03
 Drawn By:

Sheet:

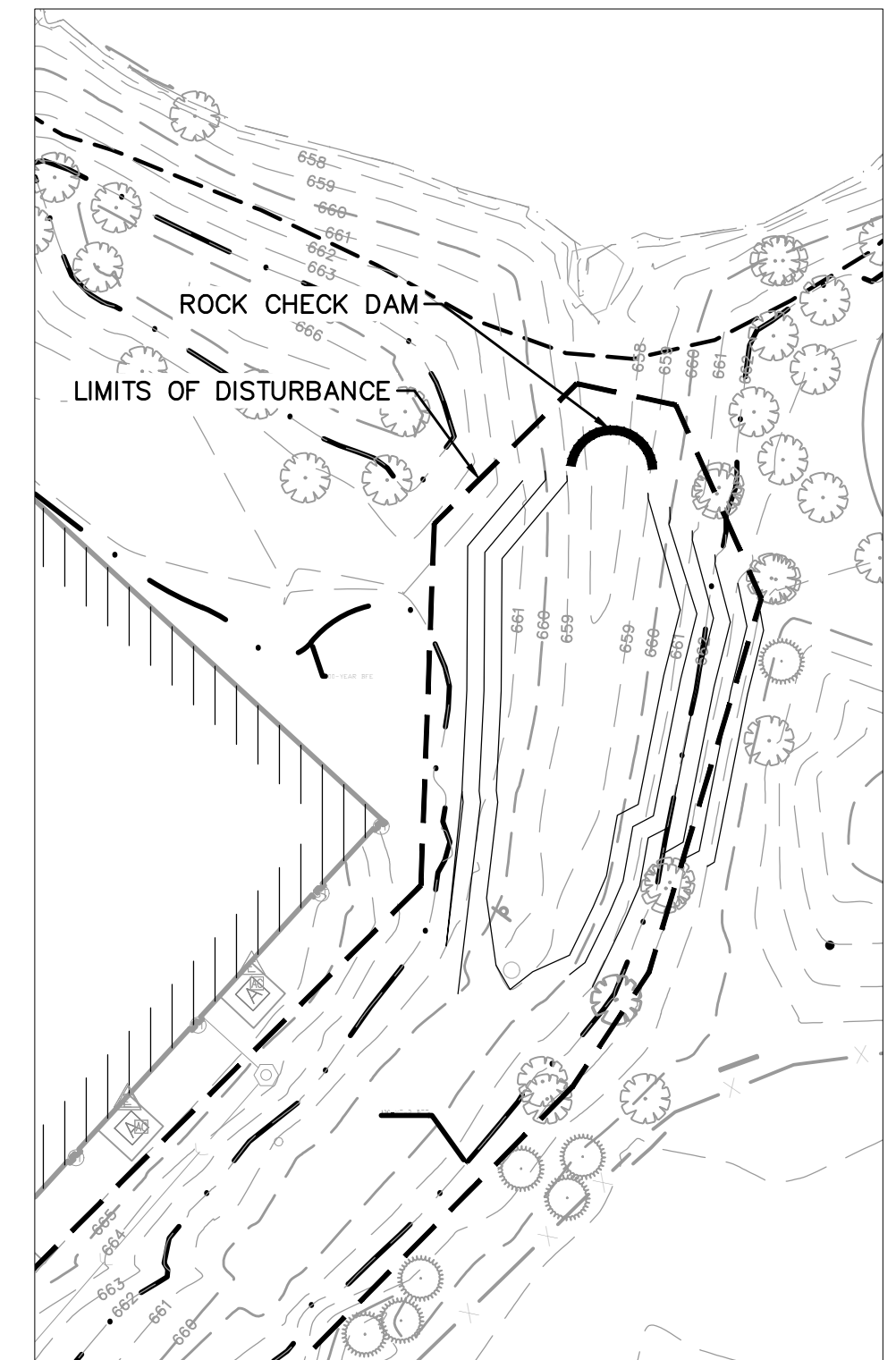
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LEGEND

- INLET PROTECTION
- SILT FENCE
- CULVERT INLET PROTECTION / CHECK DAM
- RIP RAP
- CONCRETE WASHOUT

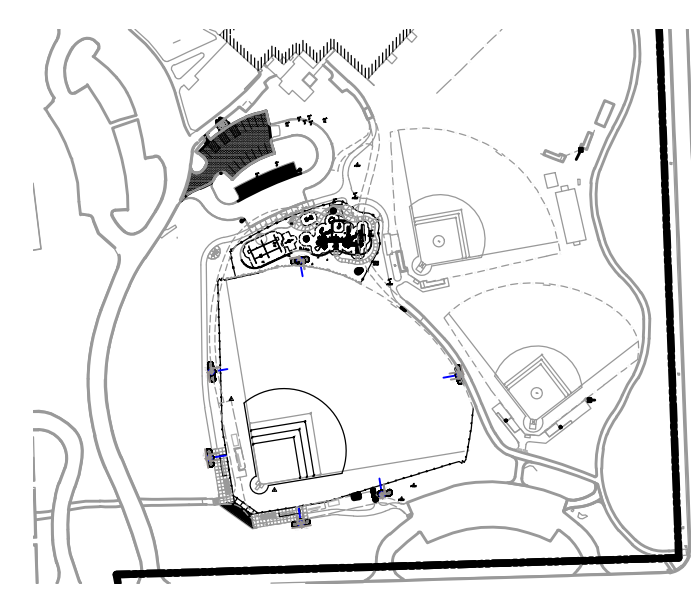


COMP STORAGE LOCATION

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	ADDENDUM 1	12-14-17
	ISSUED FOR BID	12-6-17
REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
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EROSION AND SEDIMENT CONTROL PLAN PHASE II

Project Number:
 5646-03
 Drawn By:

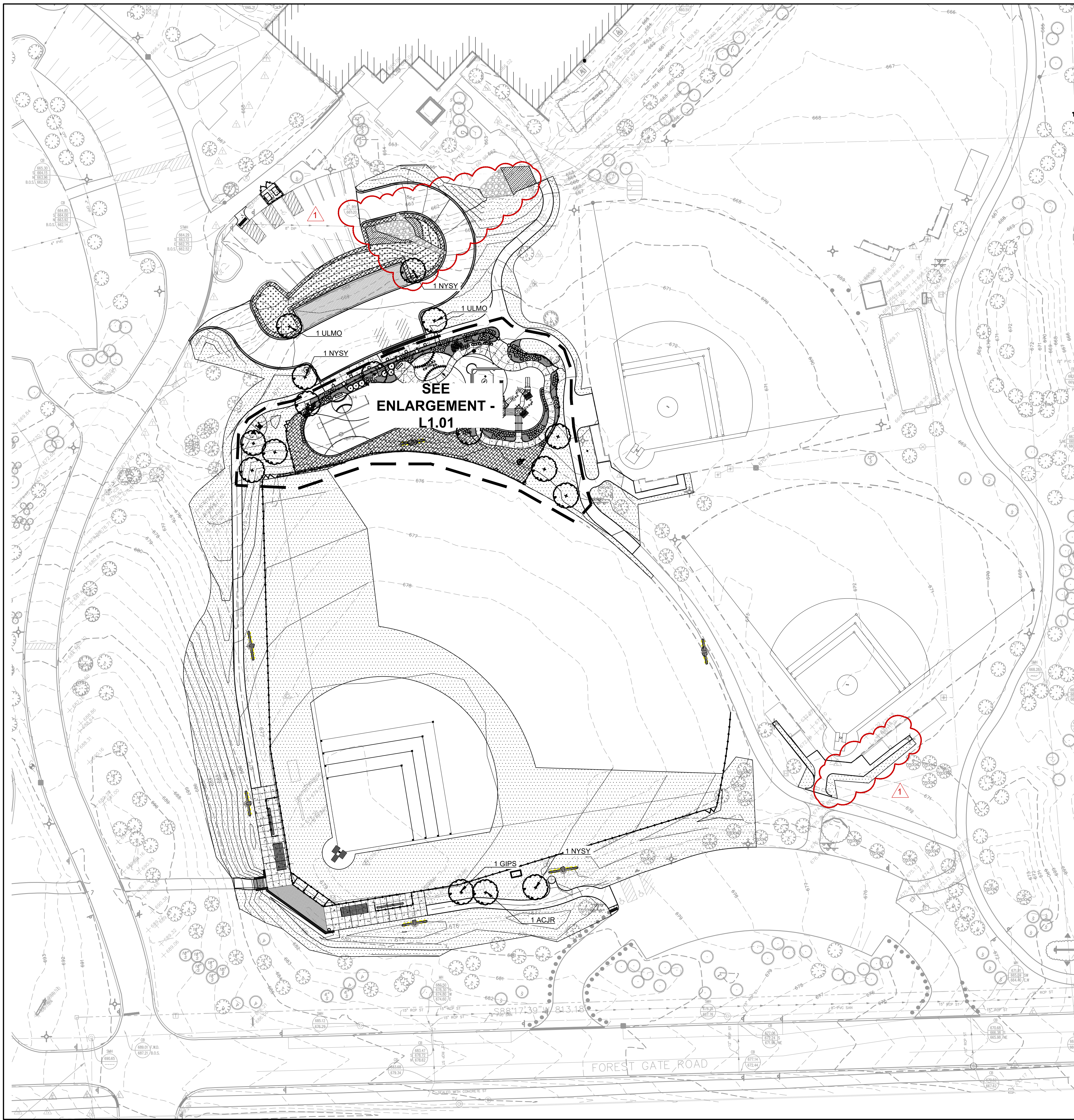
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1" = 40'

0' 20' 40' 120'

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LANDSCAPE RESTORATION NOTES:

1. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH TOPSOIL (MIN. 6" DEPTH), GRASS SEED MIX, AND EROSION CONTROL BLANKET.
2. THE CONTRACTOR SHALL PROTECT ANY AND ALL TREES NOT SHOWN ON THE PLANS TO BE SAVED FROM DAMAGE DUE TO HIS OPERATIONS. MINIMUM PROTECTION FOR TREES SHALL BE 4' SNOW FENCE. INSTALL ALONG THE DRIP LINE OF TREES AS SHOWN ON THE PLANS.
3. THE CONTRACTOR WILL MAKE NO SUBSTITUTIONS WITHOUT PRIOR WRITTEN CONSENT BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL SUBMIT ANY SUBSTITUTIONS IN WRITING TO THE LANDSCAPE ARCHITECT.
4. ALL PLANTING TECHNIQUES AND METHODS SHALL BE CONSISTENT WITH THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AND AS DETAILED ON THESE DRAWINGS. DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
5. PERMANENT GRASS SEEDING SHALL BE PROPERLY COVERED IMMEDIATELY AFTER SEEDING WITH NORTH AMERICAN GREEN S150BN EROSION CONTROL BLANKET TO MANUFACTURER'S SPECIFICATIONS.
6. TREES SHALL BE INSTALLED A MINIMUM OF 5' HORIZONTALLY FROM UNDERGROUND ELECTRICAL FEEDERS, SANITARY SEWERS, SANITARY SERVICES, WATER MAINS, AND WATER SERVICES.
7. TREES SHALL BE INSTALLED A MINIMUM OF 10' HORIZONTALLY FROM UTILITY STRUCTURES AND APPURTENANCES, INCLUDING, BUT NOT LIMITED TO MANHOLES, VALVE VAULTS, VALVE BOXES, AND FIRE HYDRANTS.
8. ANY AREA COMPACTED BY CONSTRUCTION TRAFFIC SHALL BE TILLED OR RESTORED TO ALLOW FOR SUITABLE PLANTING CONDITIONS.

LEGEND

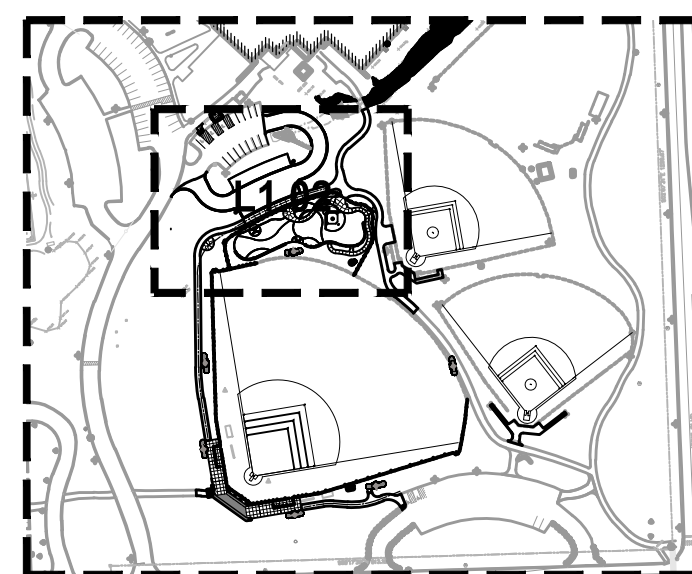
	6" TOPSOIL, TURF SEED AND EROSION CONTROL BLANKET
	6" TOPSOIL, LOW PROFILE PRAIRIE SEED MIX, AND EROSION CONTROL BLANKET
	6" TOPSOIL, LOW MOW TURF SEED MIX AND EROSION CONTROL BLANKET
	6" TOPSOIL, BIOSWALE SEED MIX AND EROSION CONTROL BLANKET

PLANT LIST - BY OWNER	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QUANTITY
SHADE TREES						
ACSA	<i>Acer saccharum</i>		Sugar Maple	2.5" CALIPER	AS SHOWN	2
ACJR	<i>Acer x freemanii</i> 'Jeffers Red'		Autumn Blaze Freeman Maple	2.5" CALIPER	AS SHOWN	2
GIPS	<i>Ginkgo biloba</i> 'Princeton Sentry'		Princeton Sentry Ginkgo	2.5" CALIPER	AS SHOWN	3
NYSY	<i>Nyssa sylvatica</i>		Black Tupelo	2.5" CALIPER	AS SHOWN	3
OSVI	<i>Ostrya virginiana</i>		Ironwood, American Hop Hornbeam	2.5" CALIPER	AS SHOWN	2
QRUR	<i>Quercus rubra</i>		Red Oak	2.5" CALIPER	AS SHOWN	1
ULMO	<i>Ulmus</i> 'Morton'		Accolade Elm	2.5" CALIPER	AS SHOWN	3
SHADE TREE TOTALS						
SHRUBS						
COIS	<i>Cornus sericea</i> 'Isanti'		Redosier Dogwood	5 GALLON	AS SHOWN	6
ITVI	<i>Itea virginica</i> 'Sprich'		Little Henry Virginia Sweetpire	3 GALLON	AS SHOWN	20
JUBF	<i>Juniperus sabina</i> 'Blue Forest'		Blue Forest Juniper	5 GALLON	AS SHOWN	10
RIAL	<i>Ribes alpinum</i> 'Green Mound'		Green Mound Alpine Currant	3 GALLON	AS SHOWN	10
SPOO	<i>Spiraea x bumalda</i> 'Goldflame'		Goldflame Spiraea	3 GALLON	AS SHOWN	13
SHRUB TOTALS						
ORNAMENTAL GRASS						
CAKF	<i>Calamagrostis acutiflora</i> 'Karl Foerster'		Karl Foerster Feather Reed Grass	1 GALLON	AS SHOWN	60
PEHA	<i>Pennisetum alopecuroides</i> 'Hameln'		Hameln Dwarf Fountain Grass	1 GALLON	AS SHOWN	37
SPHE	<i>Sporobolus heterolepis</i>		Prairie Dropseed	3 GALLON	AS SHOWN	37
ORNAMENTAL GRASS TOTALS						
PERENNIALS						
COLA	<i>Coreopsis lanceolata</i>		Sand Coreopsis	1 GALLON	24" O.C.	52
ECAL	<i>Echinacea 'Alba'</i>		White Coneflower	1 GALLON	18" O.C.	25
GAAR	<i>Gallardia aristata</i> 'Arizona Red Shade'		Arizona Red Shade Blanket Flower	1 GALLON	18" O.C.	44
HERI	<i>Hemerocallis 'Rosy Returns'</i>		Rosy Returns Daylily	1 GALLON	18" O.C.	73
NEWL	<i>Nepeta x fissus</i> 'Walker's Low'		Walker's Low Catmint	1 GALLON	24" O.C.	23
PATR	<i>Parthenocissus tricuspidata</i>		Boston Ivy	1 GALLON	AS SHOWN	12
RULS	<i>Rudbeckia fulgida</i> 'Vietto's Little Suzy'		Little Suzy Black-Eyed Susan	1 GALLON	24" O.C.	52
SAEF	<i>Savia nemorosa</i> 'East Friesland'		East Friesland Russian Sage	1 GALLON	18" O.C.	60
PERENNIAL TOTALS						
GROUNDCOVERS						
AIBB	<i>Ajuga reptans</i> 'Bronze Beauty'		Bronze Beauty Bugleweed	10 FLAT/PT	18" O.C.	61
SEKA	<i>Sedum kamtschaticum</i>		Russian Stonecrop	10 FLAT/PT	18" O.C.	46
SEFU	<i>Sedum spurium</i> 'Fuldaglut'		Fulda Glow Stonecrop	24 FLAT	18" O.C.	41
GROUNDCOVER TOTALS						



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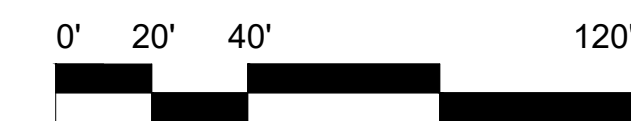
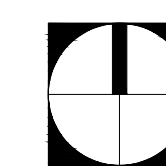
CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
 OAK BROOK, IL 60523

LANDSCAPE RESTORATION PLAN

Project Number:
 5646-03
 Drawn By:

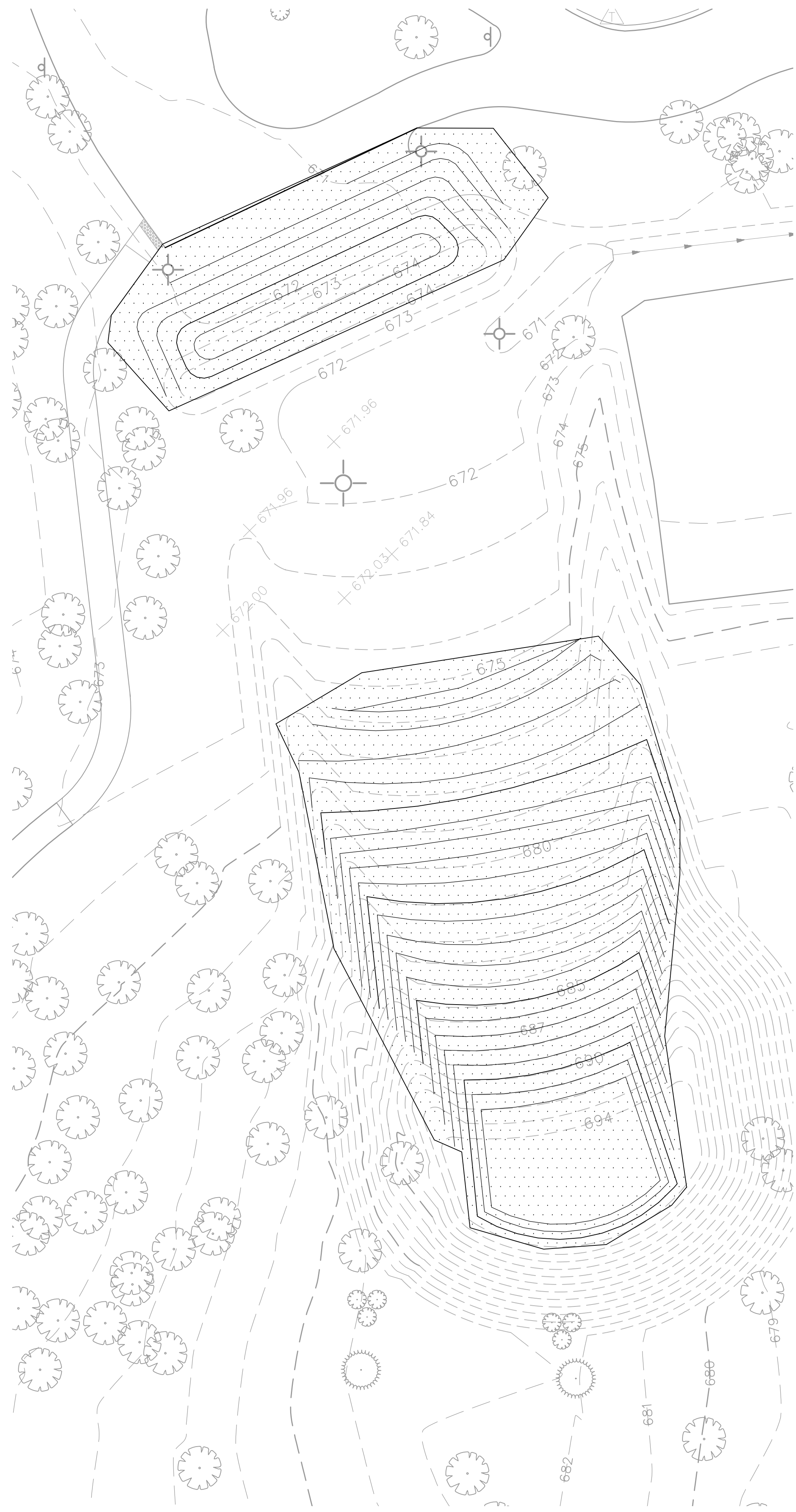
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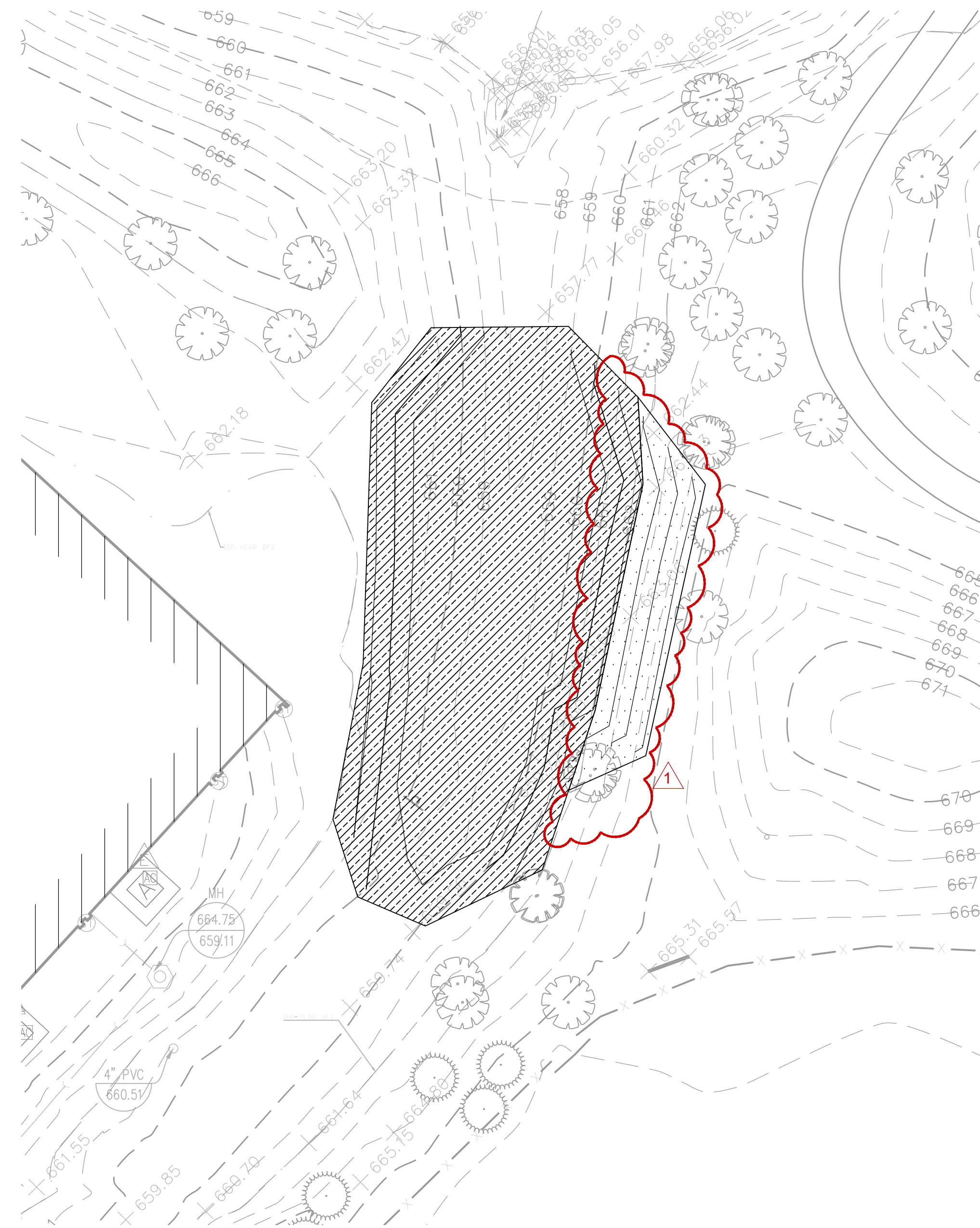
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1 SLED HILL RESTORATION



2 COMPENSATORY STORAGE RESTORATION

LANDSCAPE RESTORATION NOTES:

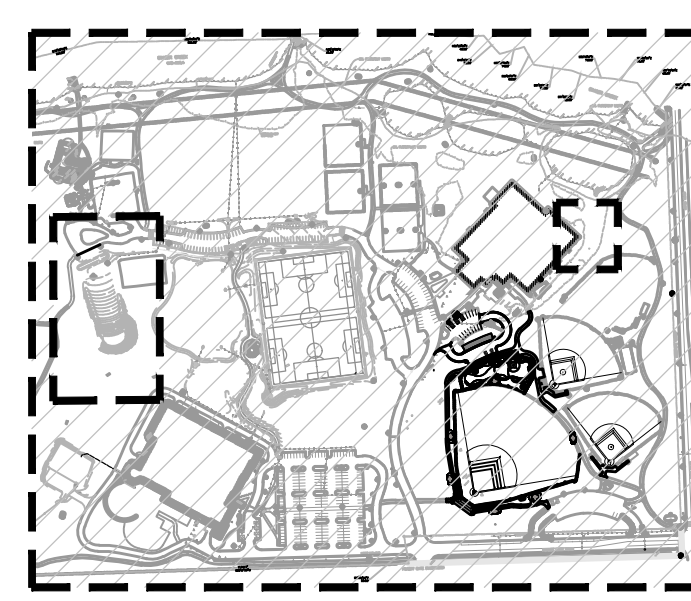
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3. THE CONTRACTOR WILL MAKE NO SUBSTITUTIONS WITHOUT PRIOR WRITTEN CONSENT BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL SUBMIT ANY SUBSTITUTIONS IN WRITING TO THE LANDSCAPE ARCHITECT.
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LEGEND

	6" TOPSOIL, TURF SEED AND EROSION CONTROL BLANKET
	6" TOPSOIL, LOW PROFILE PRAIRIE SEED MIX, AND EROSION CONTROL BLANKET
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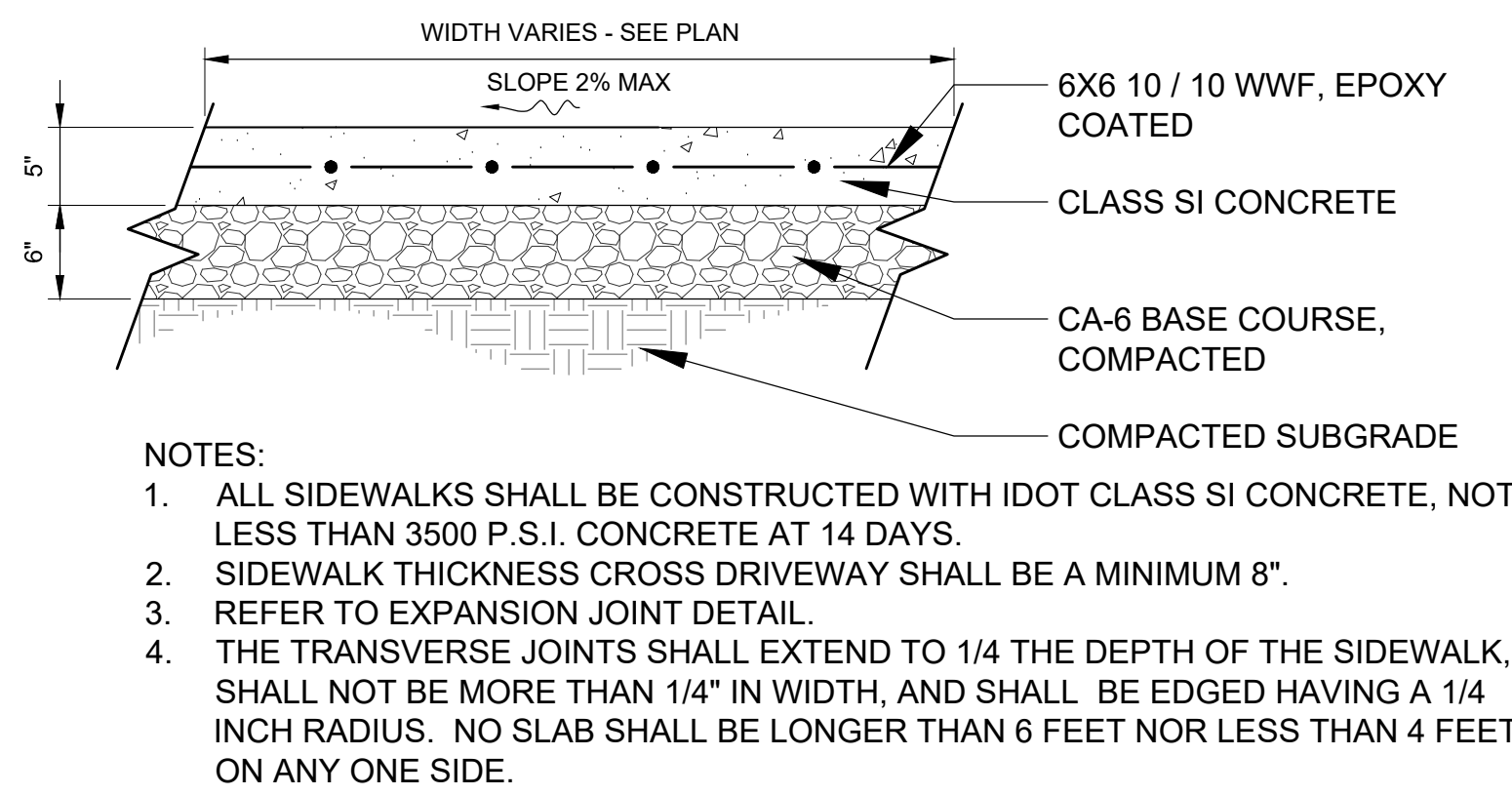
1500 FOREST GATE ROAD
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 LANDSCAPE RESTORATION PLAN

Project Number:
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 Sheet:

1" = 20'

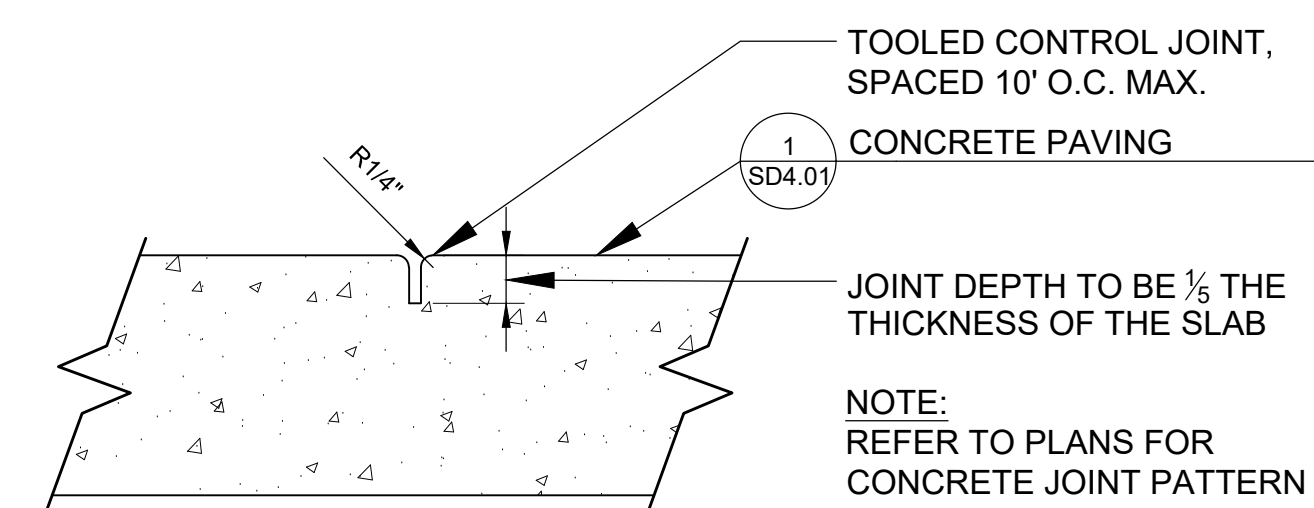
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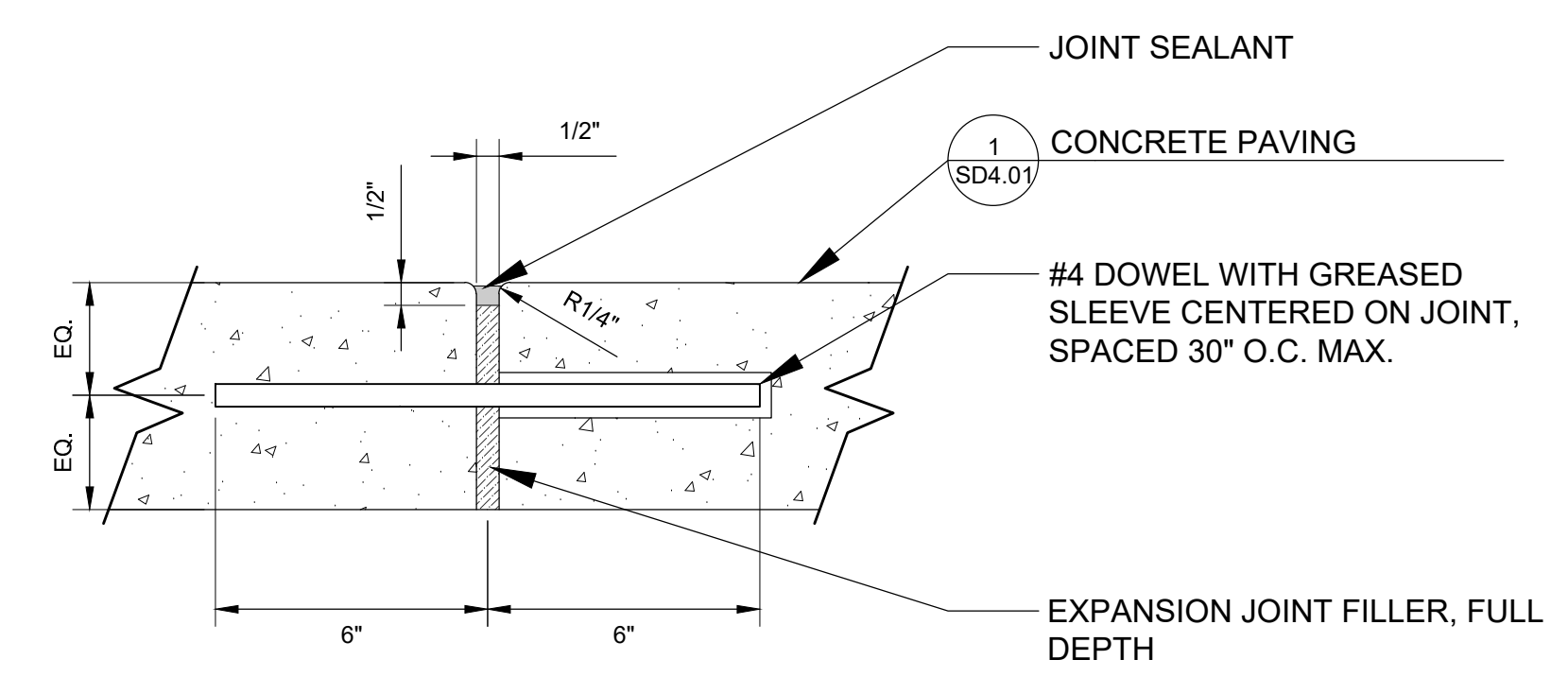


1 CONCRETE SIDEWALK
SCALE: 1" = 1'-0"

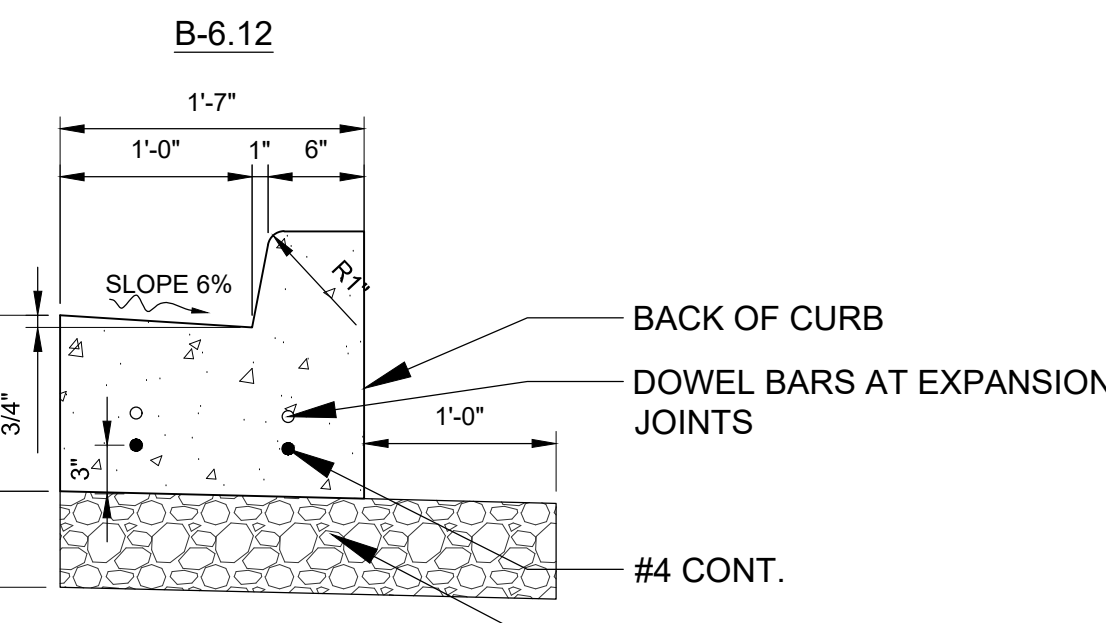
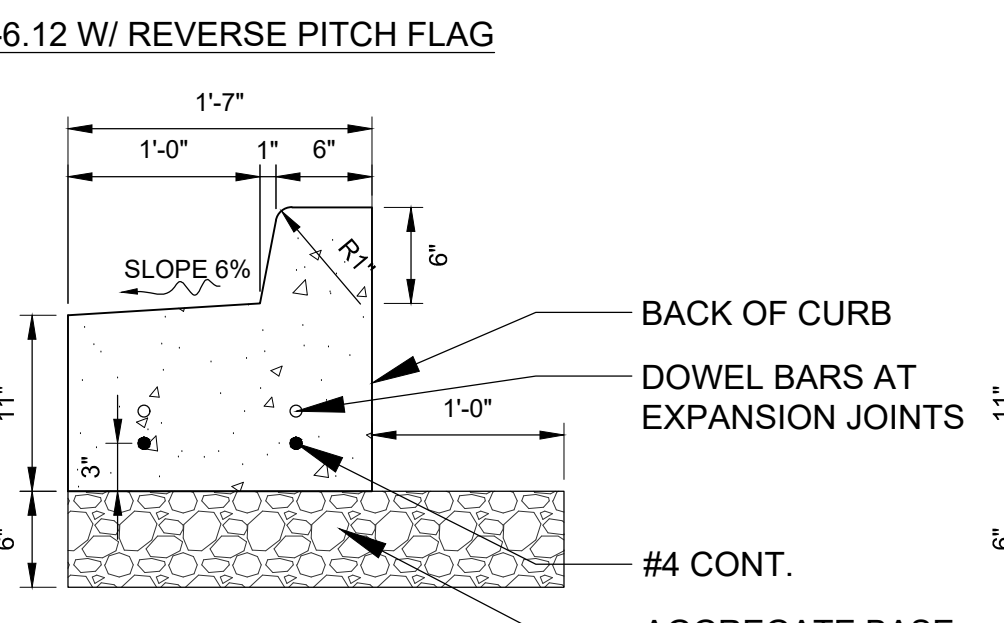
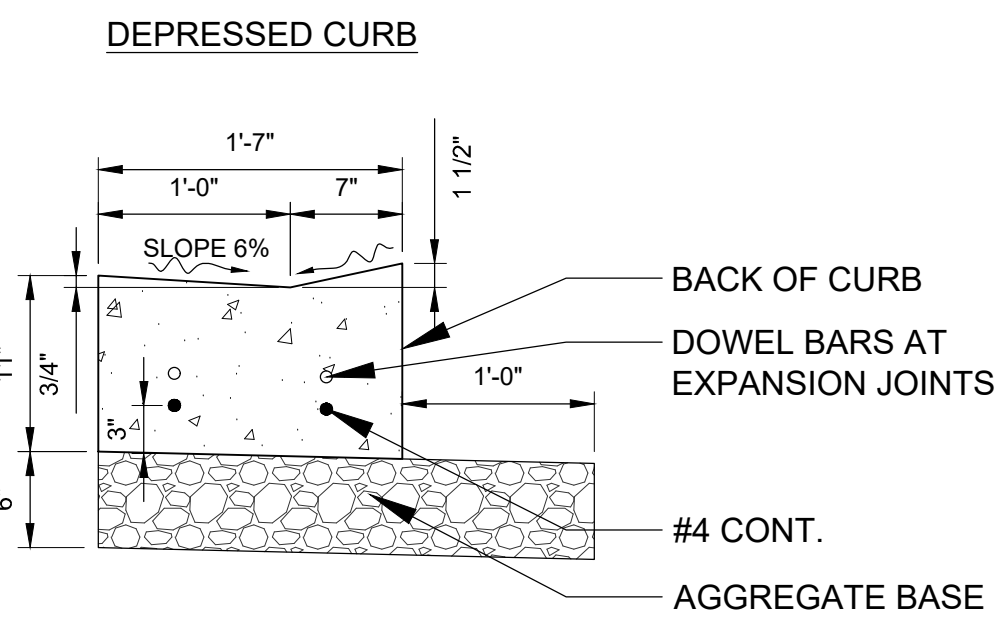
- NOTES:
1. ALL SIDEWALKS SHALL BE CONSTRUCTED WITH IDOT CLASS SI CONCRETE, NOT LESS THAN 3500 P.S.I. CONCRETE AT 14 DAYS.
 2. SIDEWALK THICKNESS CROSS DRIVEWAY SHALL BE A MINIMUM 8".
 3. REFER TO EXPANSION JOINT DETAIL.
 4. THE TRANSVERSE JOINTS SHALL EXTEND TO 1/4 THE DEPTH OF THE SIDEWALK, SHALL NOT BE MORE THAN 1/4" IN WIDTH, AND SHALL BE EDGED HAVING A 1/4 INCH RADIUS. NO SLAB SHALL BE LONGER THAN 6 FEET NOR LESS THAN 4 FEET ON ANY ONE SIDE.



2 CONTROL JOINT
SCALE: 3" = 1'-0"

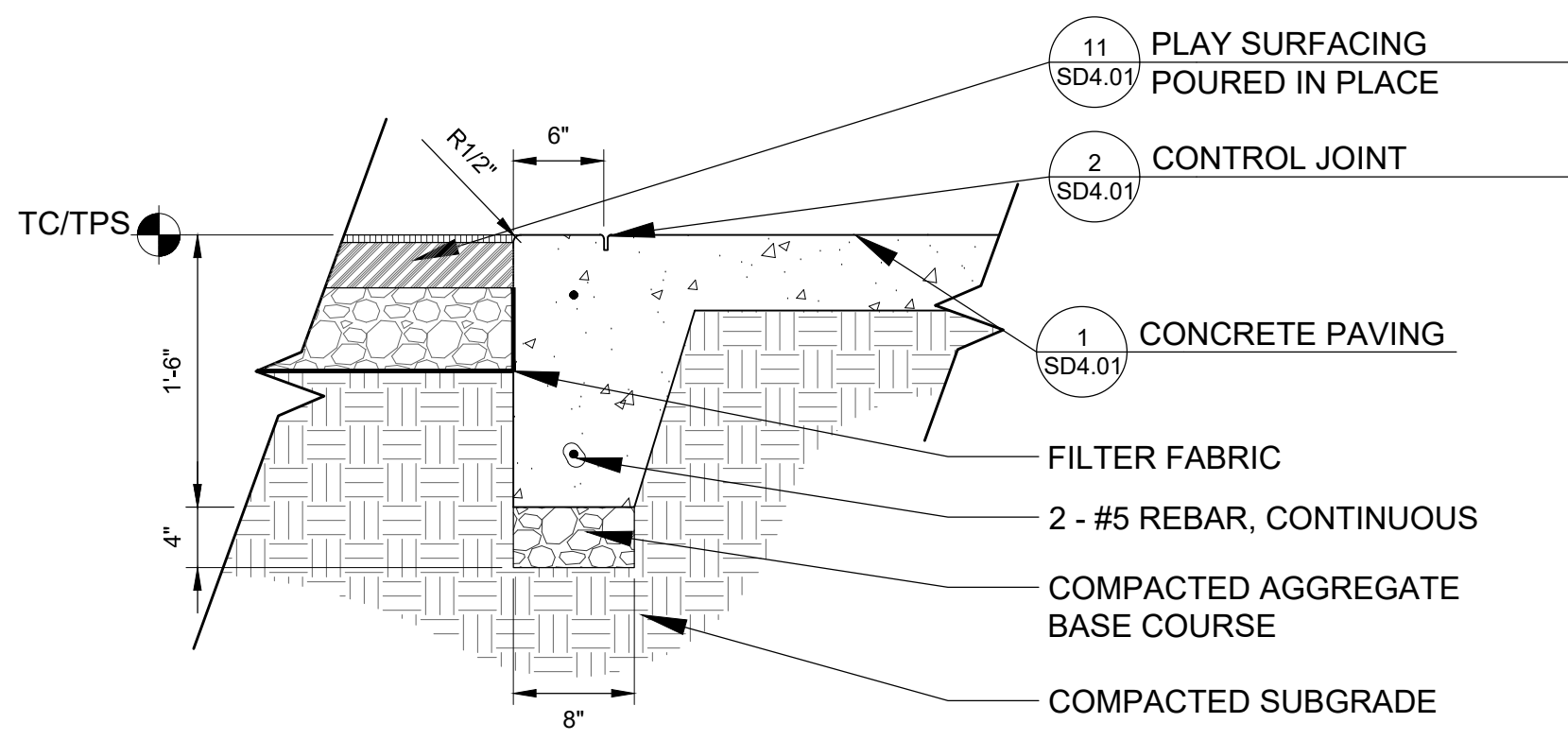


3 EXPANSION JOINT
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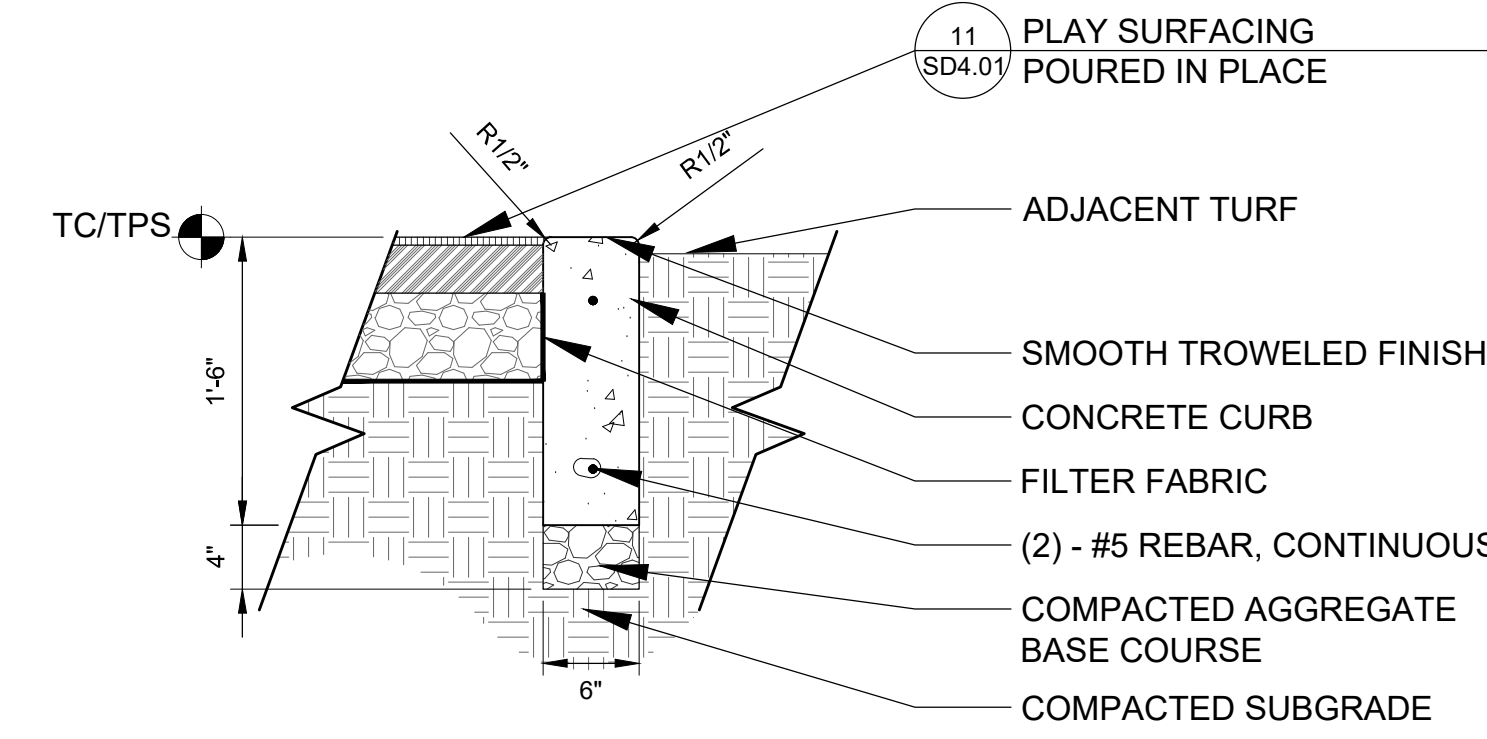


4 B-6.12 CURB AND GUTTER
SCALE: 1" = 1'-0"

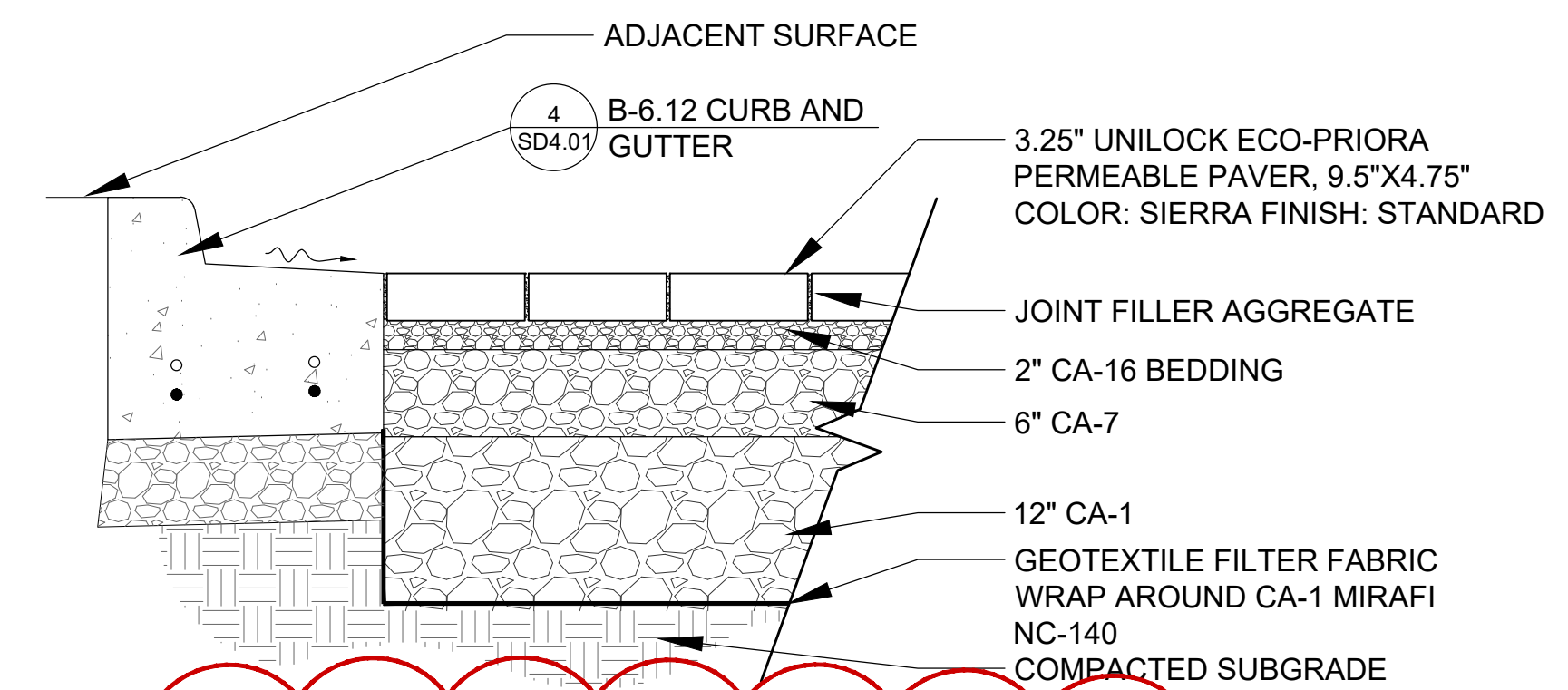
- NOTES:
1. ALL CURB AND GUTTER SHALL BE CONSTRUCTED W/ IDOT CLASS SI CONCRETE.
 2. REFER TO EXPANSION JOINT DETAIL.
 3. CONSTRUCTION JOINTS SHALL BE AT 20 OR 25 FT. INTERVALS DEPENDING ON TYPE OF POUR. REFER TO EXPANSION JOINT DETAIL.
 4. JOINTS SHALL BE CONSTRUCTED IN COMPLIANCE WITH IDOT STANDARDS & DETAILS.
 5. ALL CURB AND GUTTER SHALL BE DOWELLED INTO EXISTING CURB AND GUTTER THAT HAS BEEN SAWCUT AND REMOVED.



5 THICKENED EDGE CONCRETE WALK
SCALE: 1" = 1'-0"

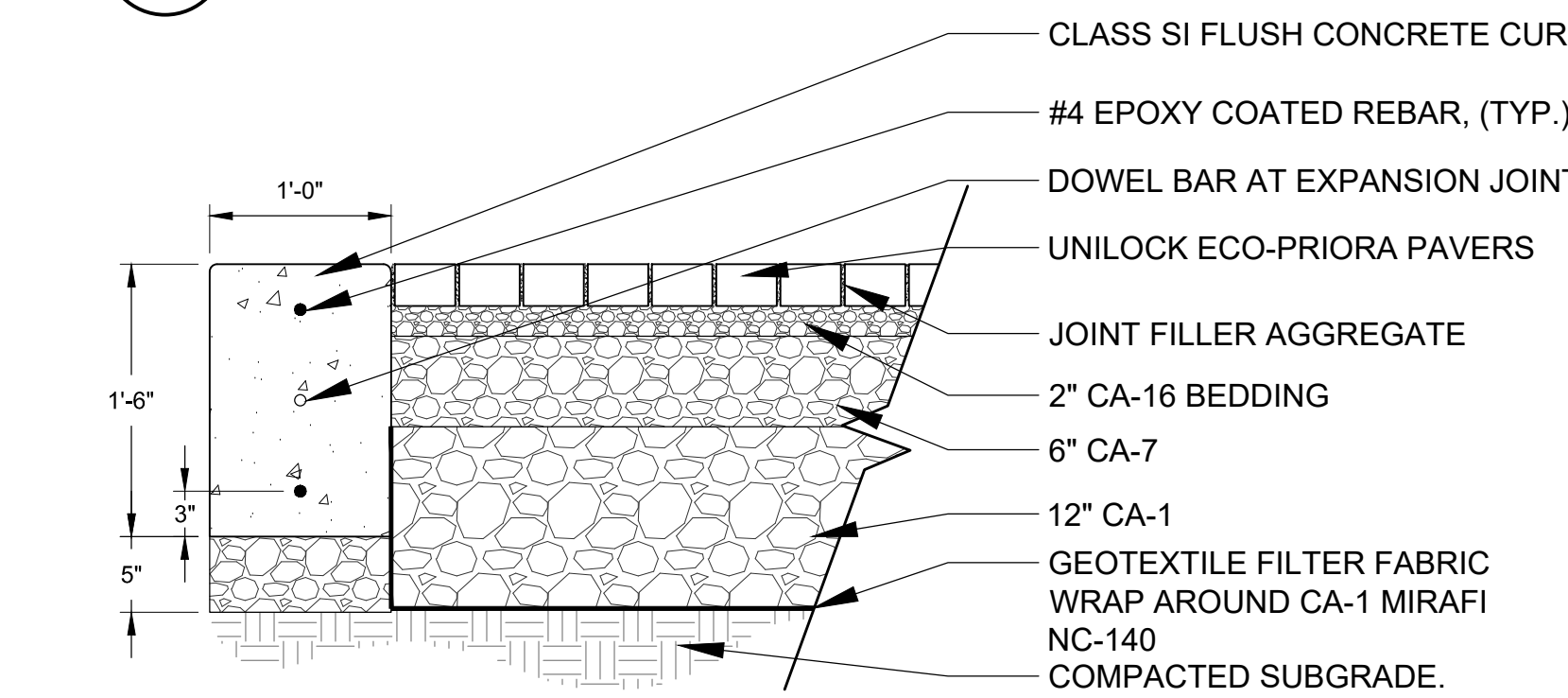


6 PLAYGROUND CURB
SCALE: 1" = 1'-0"



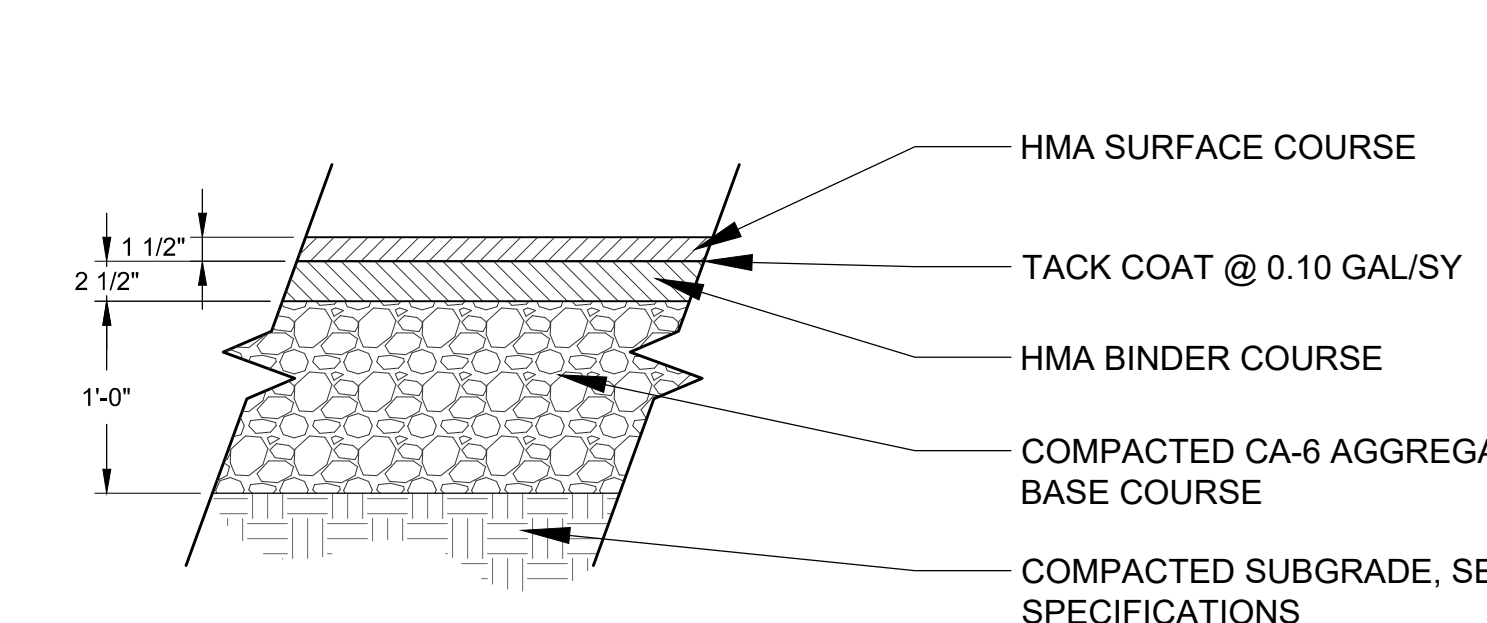
7 PERMEABLE PAVERS WITH CURB & GUTTER
SCALE: 1" = 1'-0"

- NOTE:
1. SUBGRADE PITCHED AT 0.5% MIN TOWARD UNDERDRAIN. SEE GRADING PLAN
 2. REFER TO MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION



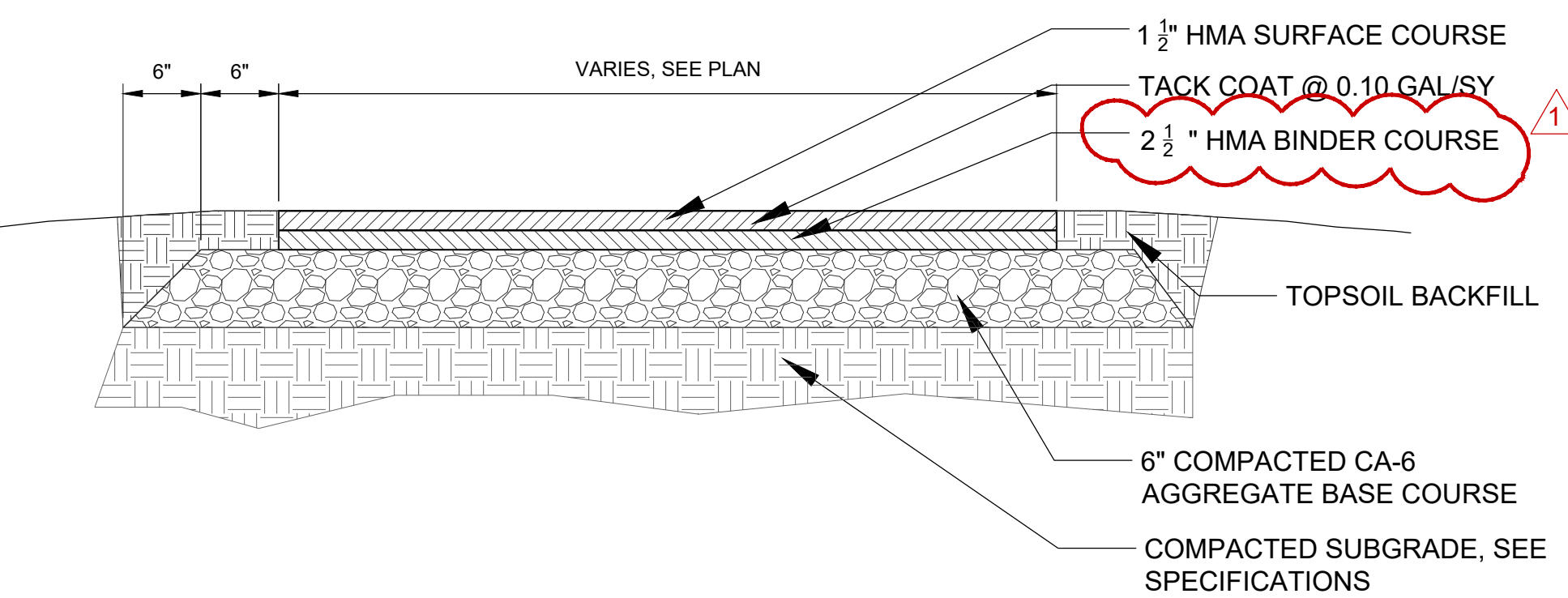
8 PERMEABLE PAVERS & FLUSH CURB
SCALE: 1" = 1'-0"

- NOTE: SUBGRADE PITCHED AT 1.0% MIN. TO UNDERDRAIN. SEE GRADING PLAN

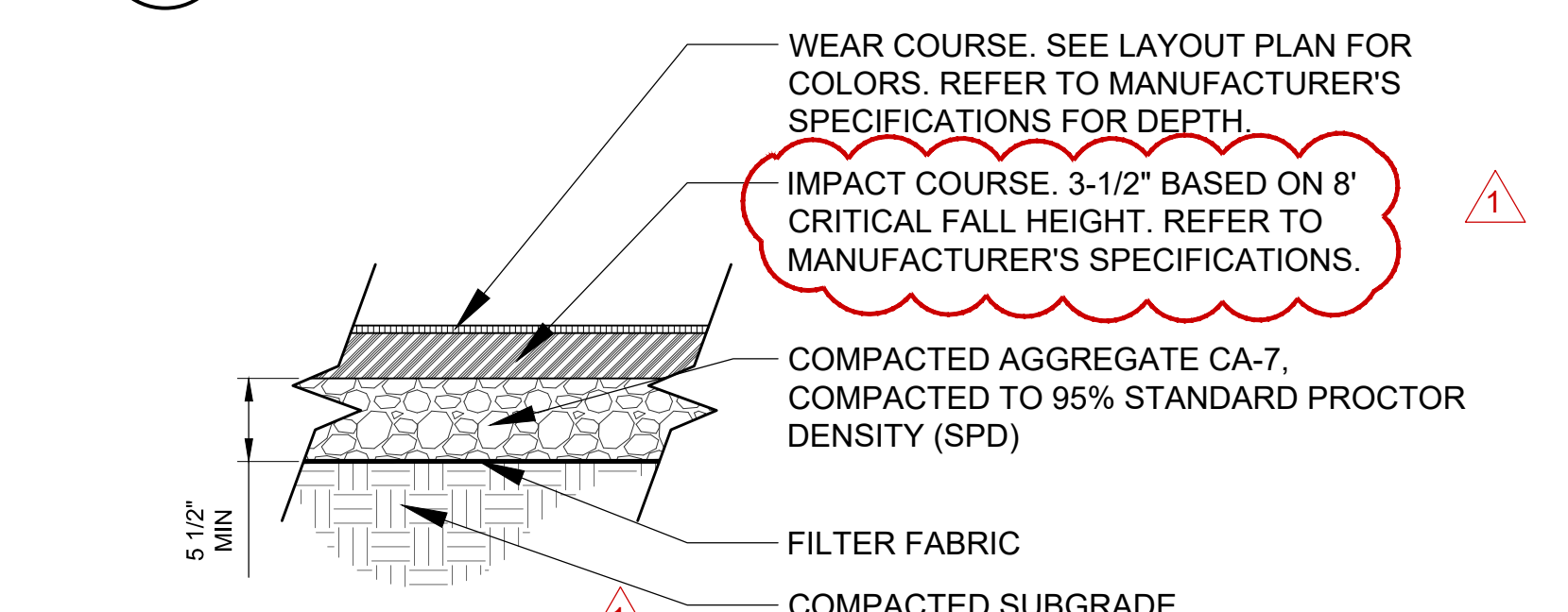


9 HMA PAVEMENT SECTION - PARKING
SCALE: 1" = 1'-0"

- NOTE: FOR UNSUITABLE SUBGRADES UNDERCUT 2 ADDITIONAL FOOT MAXIMUM



10 ASPHALT PAVING - PEDESTRIAN
SCALE: 1" = 1'-0"



11 PLAY SURFACING - POURED IN PLACE
SCALE: 1" = 1'-0"

- NOTE:
1. SUBGRADE PITCHED AT 0.5% MIN TOWARD UNDERDRAIN. SEE GRADING PLAN
 2. REFER TO MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION



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ADDENDUM 1	12-14-17	
ISSUED FOR BID	12-6-17	
REV	DESCRIPTION	DATE

CENTRAL PARK IMPROVEMENTS

1500 FOREST GATE ROAD
OAK BROOK, IL 60523

DETAILS

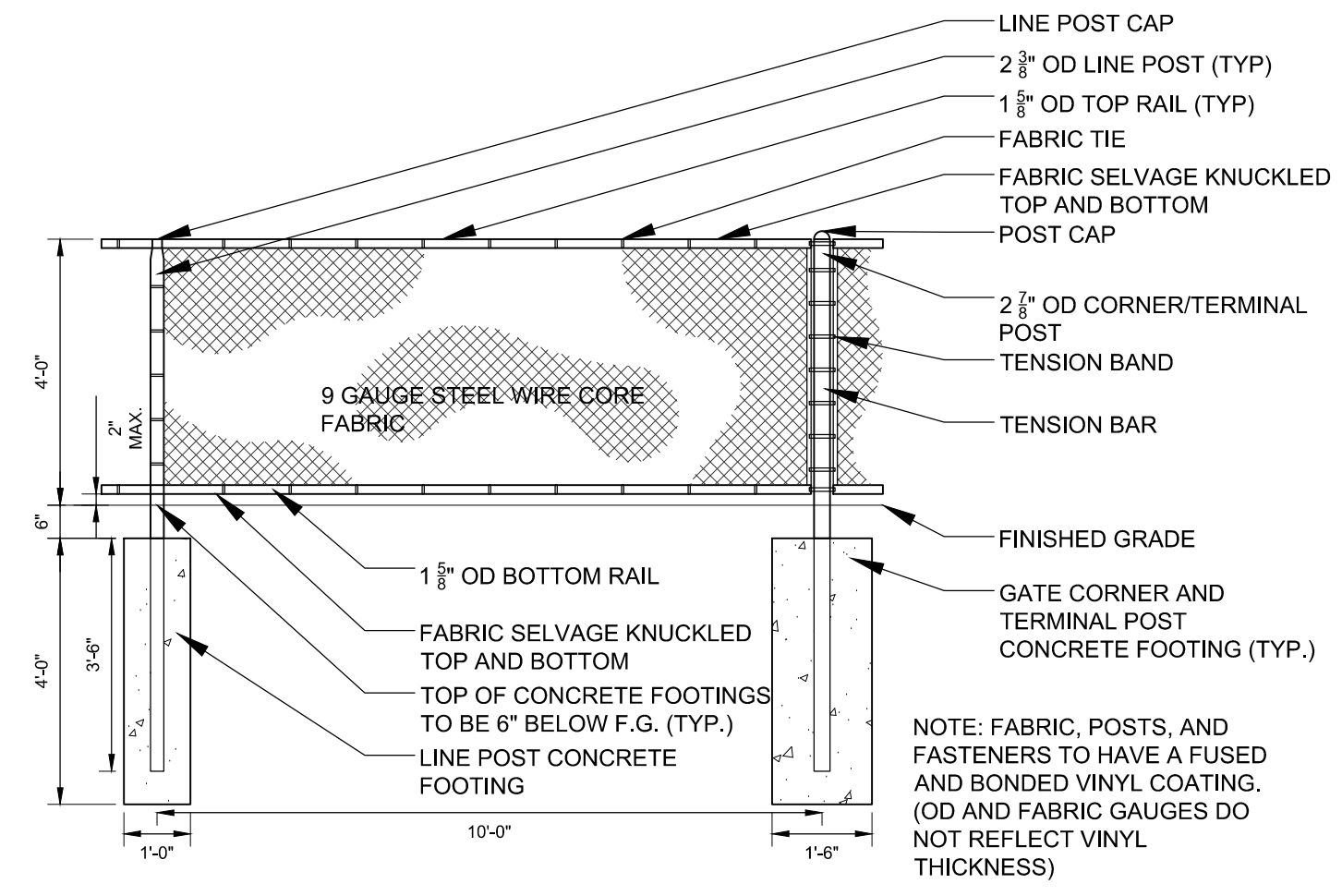
Project Number:
5646-03
Drawn By:

Sheet:

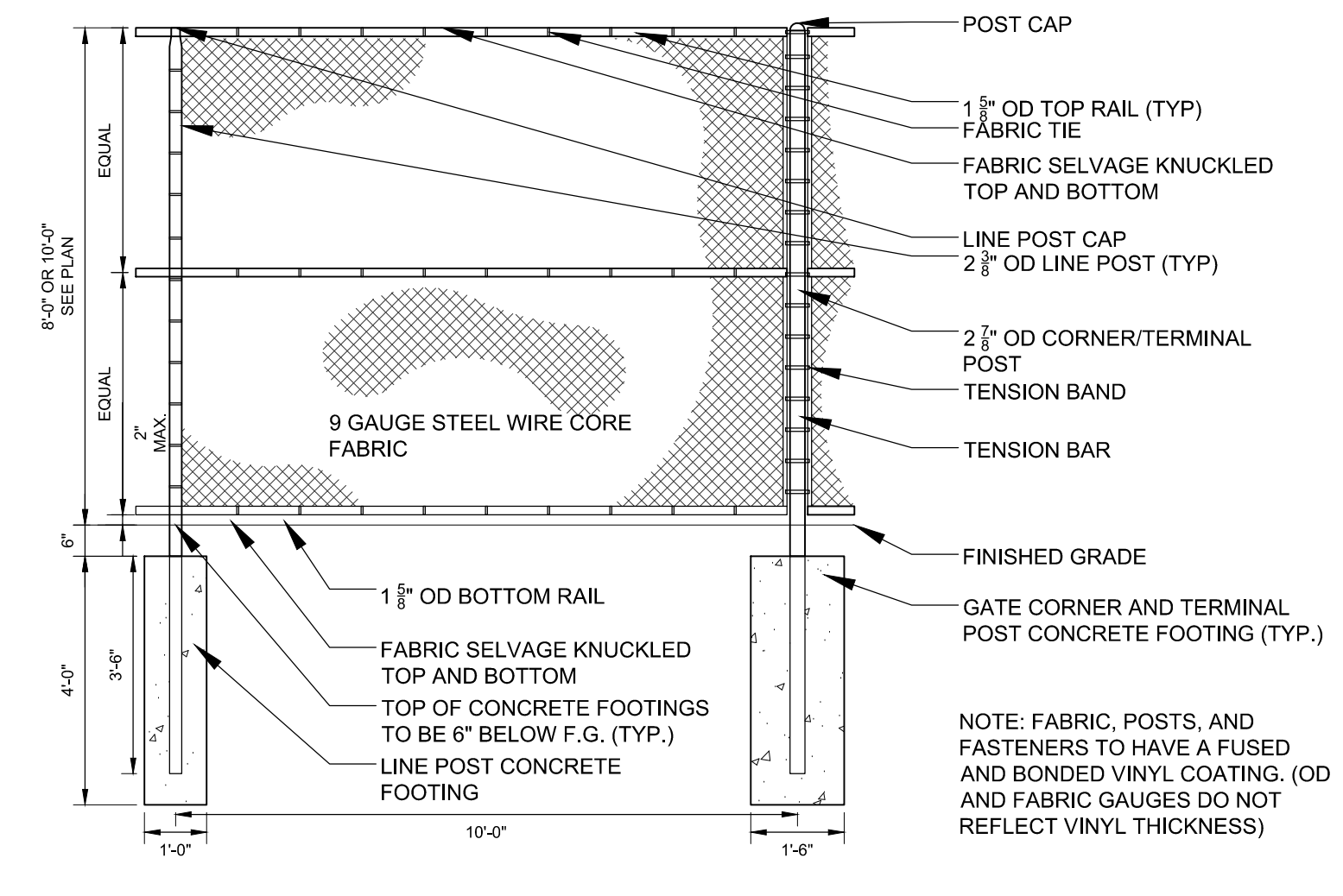
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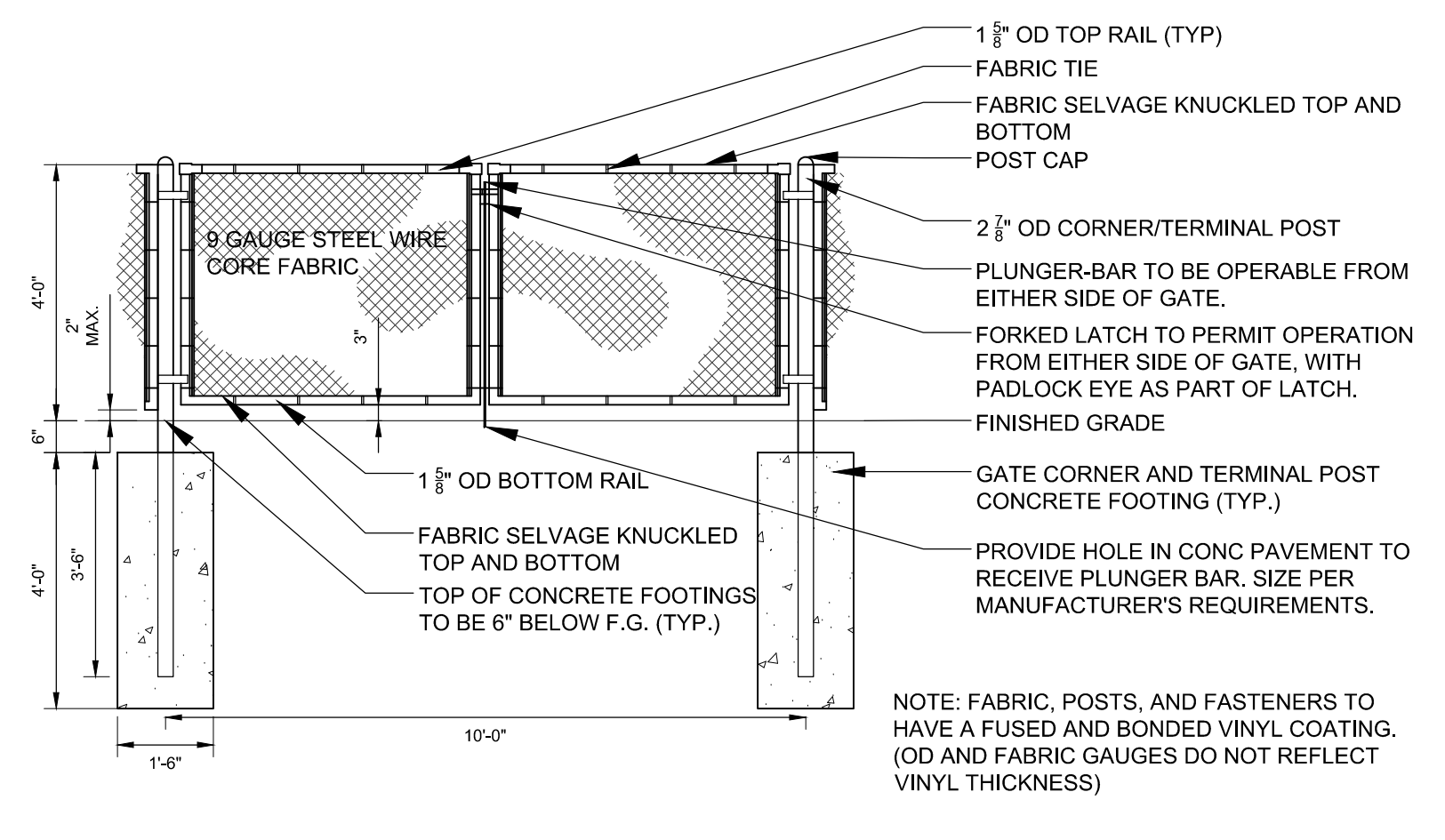
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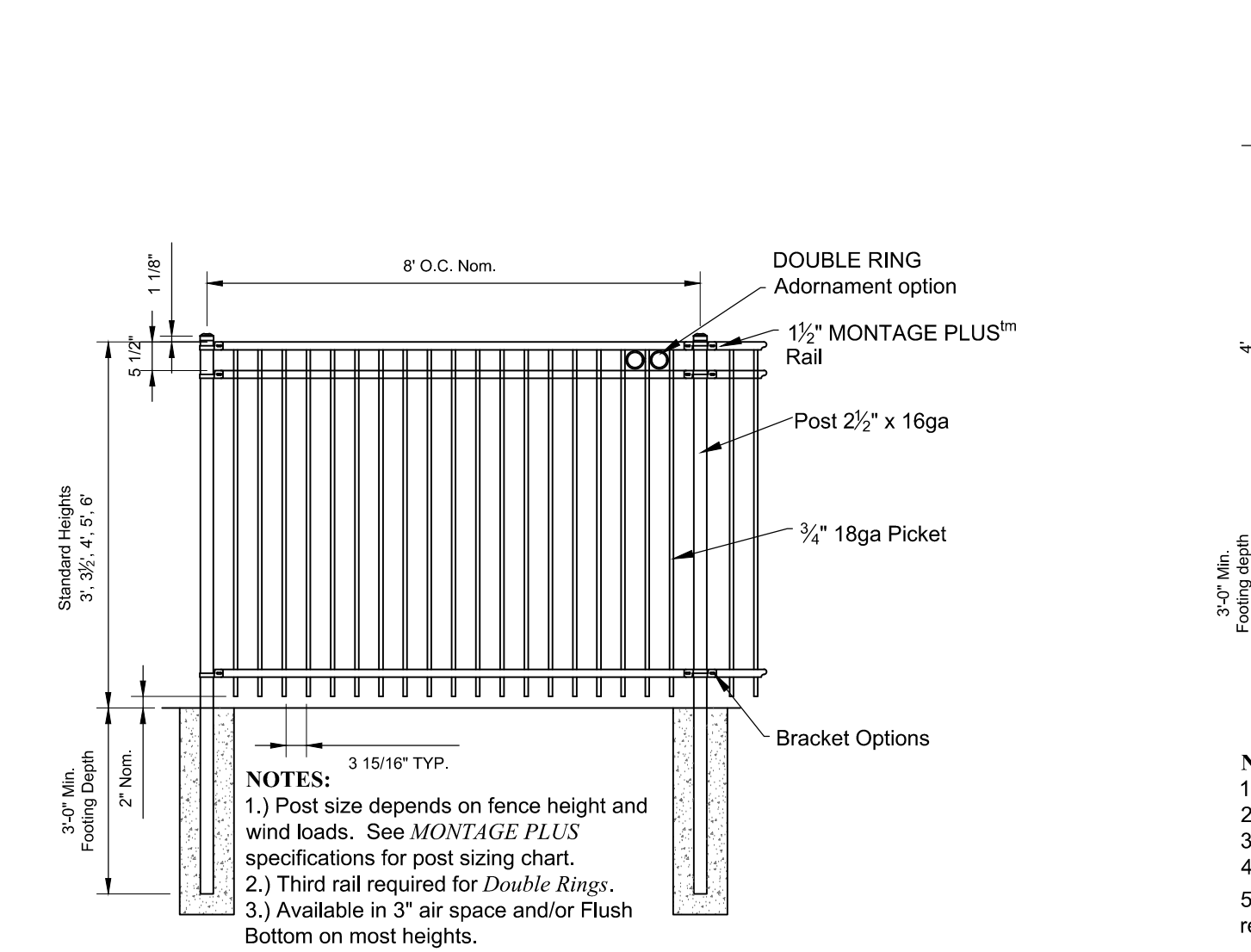
1 4' HT VINYL COATED CHAIN-LINK FENCE
 SCALE: 3/8" = 1'-0"



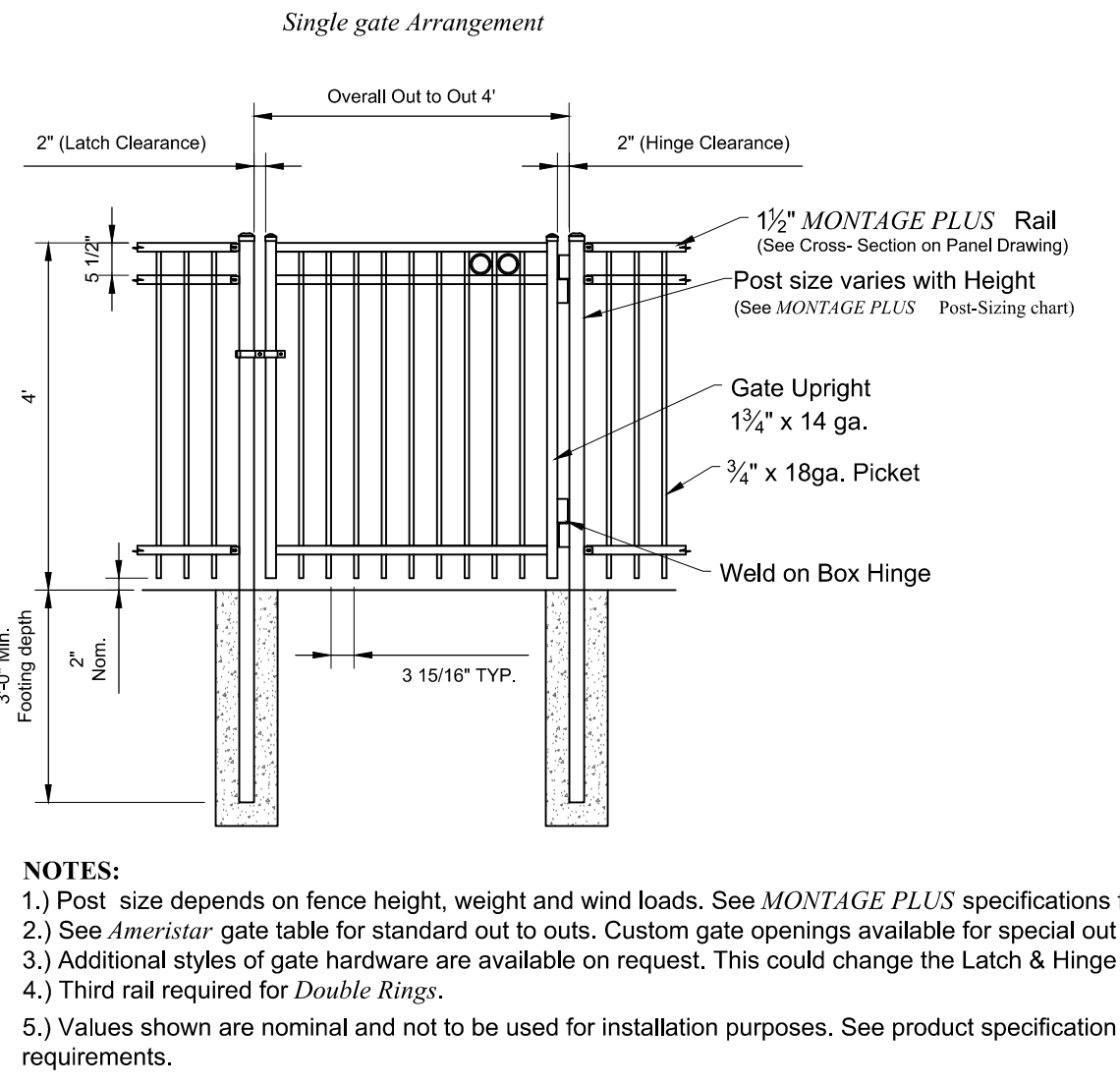
2 8' OR 10' HT VINYL COATED CHAIN-LINK FENCE
 SCALE: 3/8" = 1'-0"



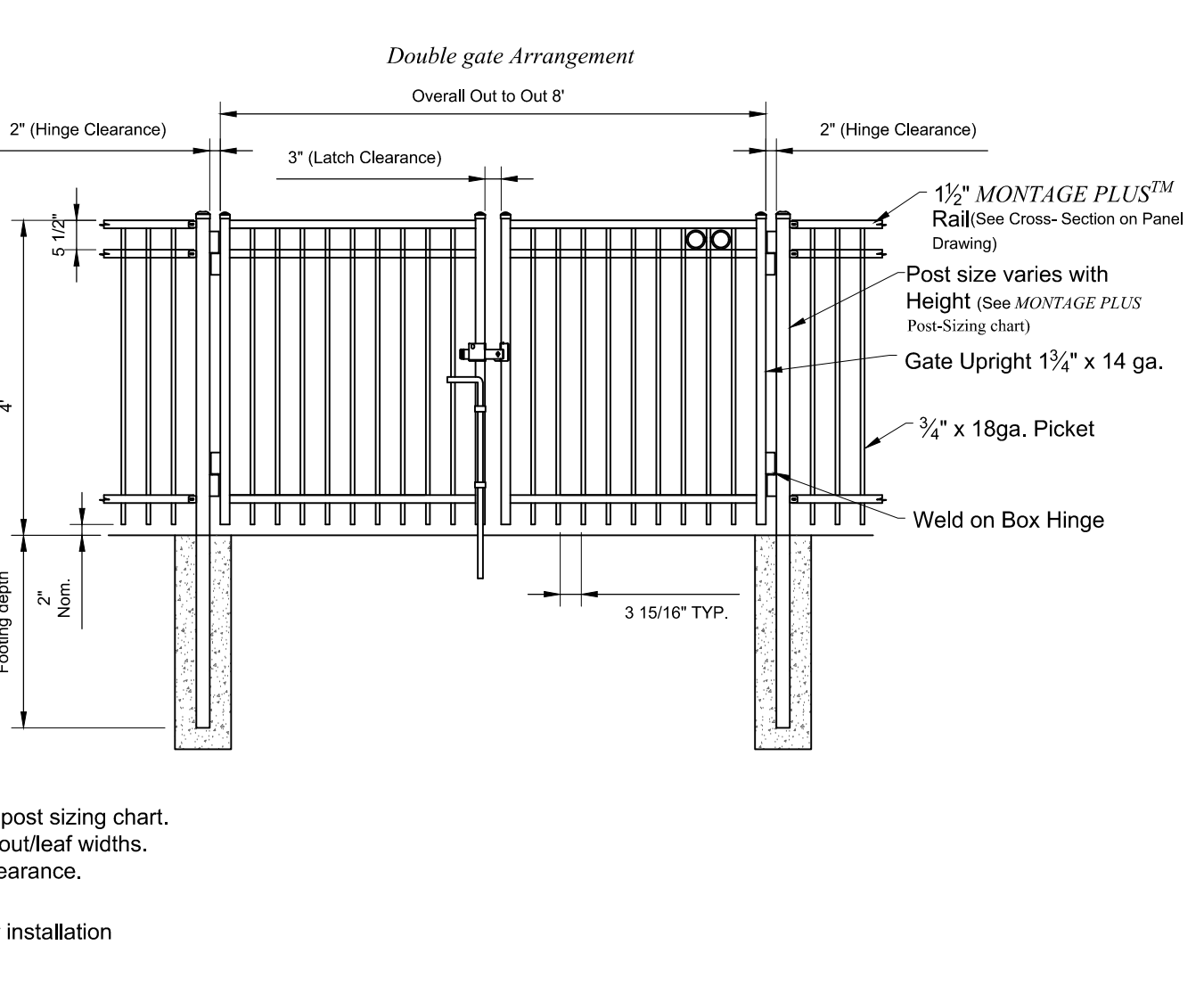
3 4' HT VINYL COATED CHAIN-LINK DOUBLE GATE
 SCALE: 3/8" = 1'-0"



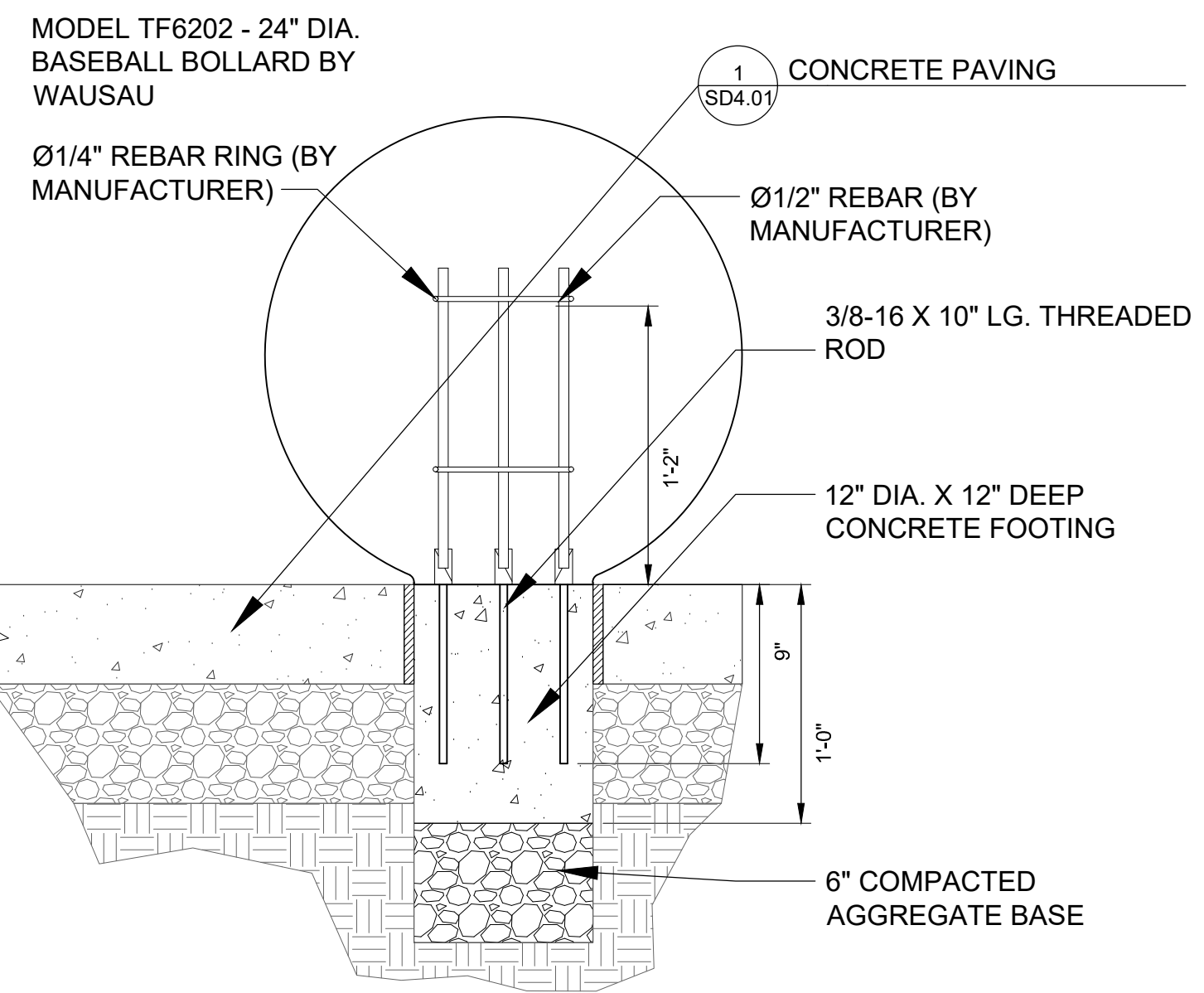
4 ORNAMENTAL FENCE (4')
 SCALE: 3/8" = 1'-0"



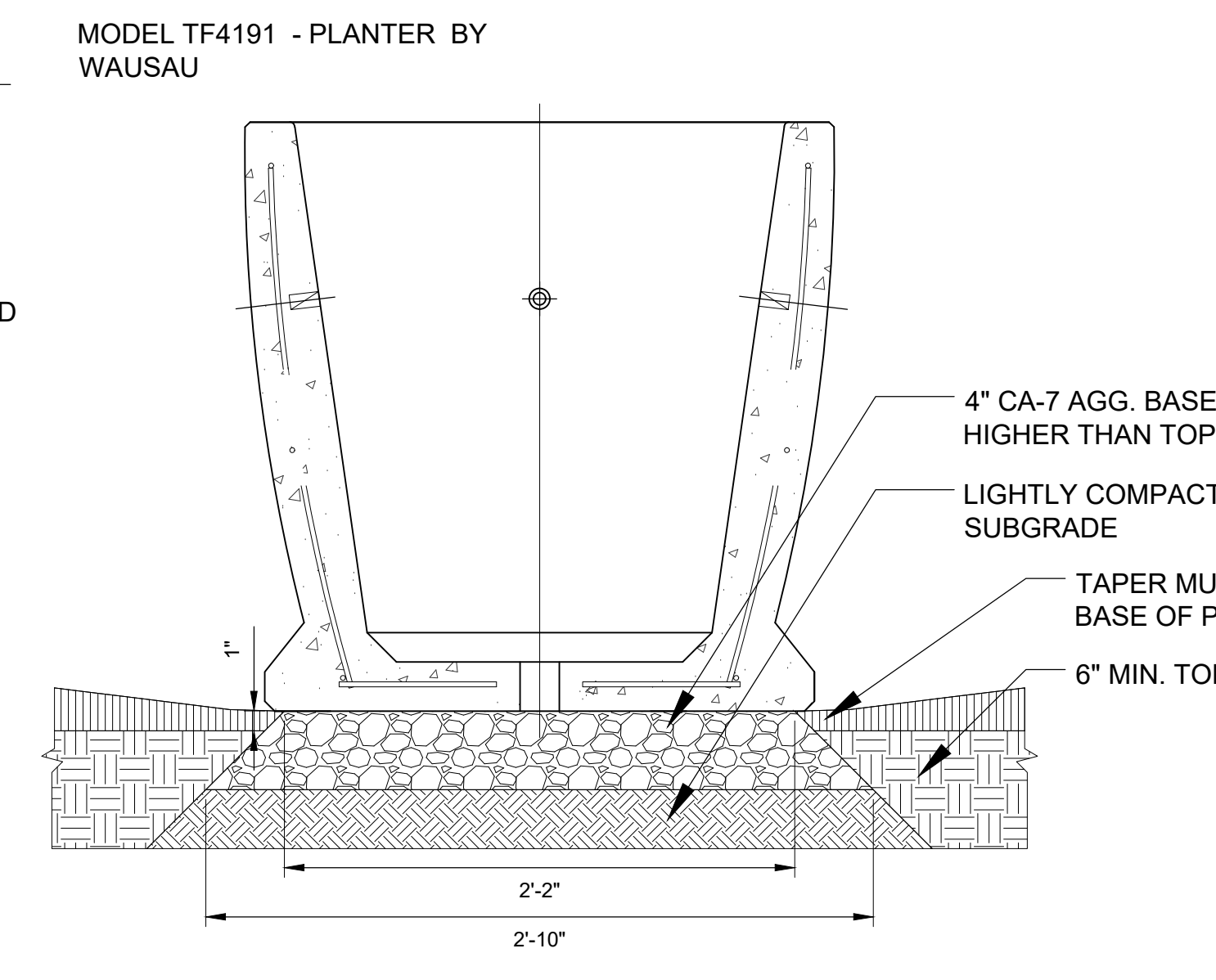
5 ORNAMENTAL GATE (4' HT.)
 SCALE: 3/8" = 1'-0"



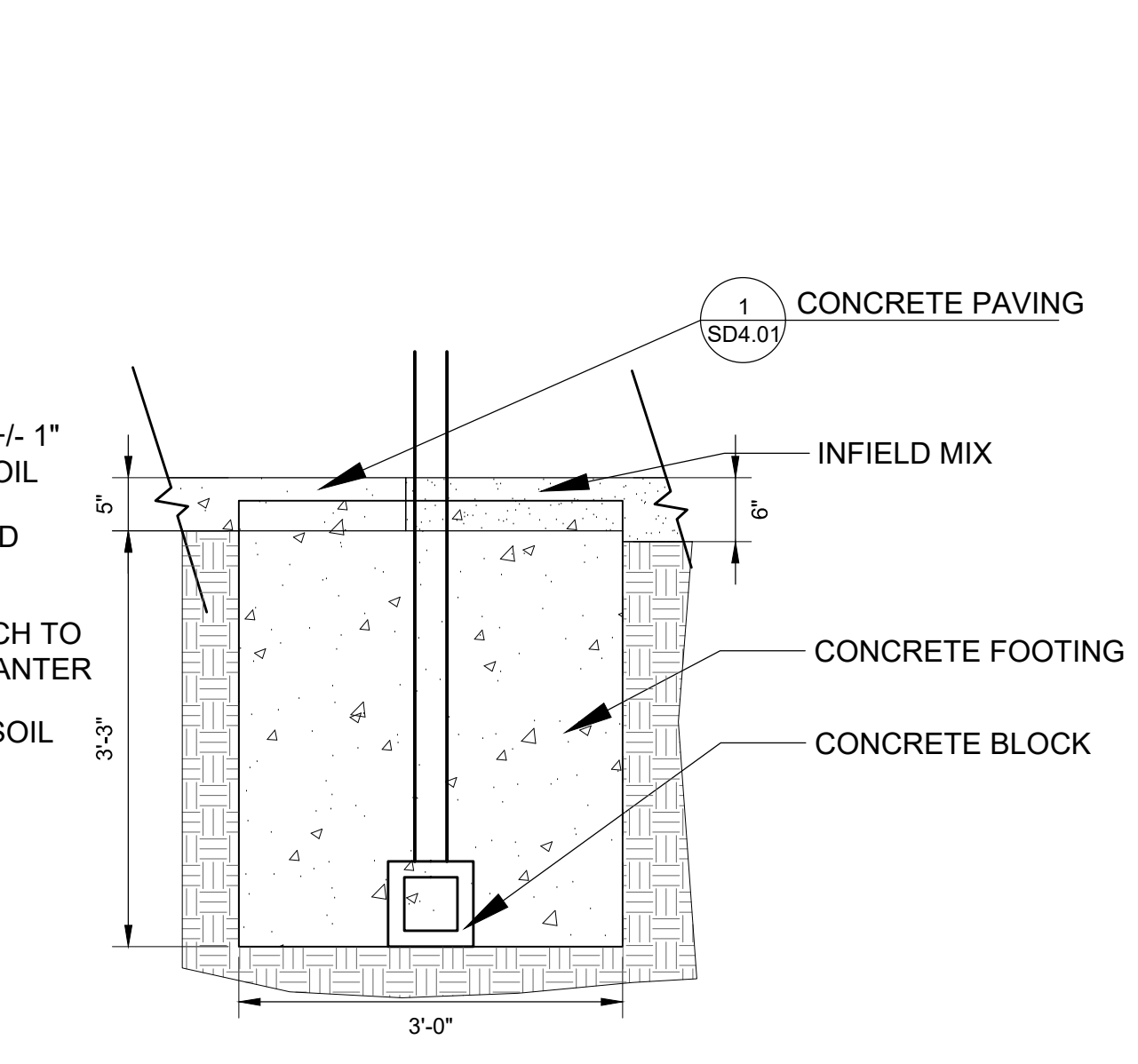
6 SEGMENTED RETAINING WALL - PISA 2
 SCALE: 3/4" = 1'-0"



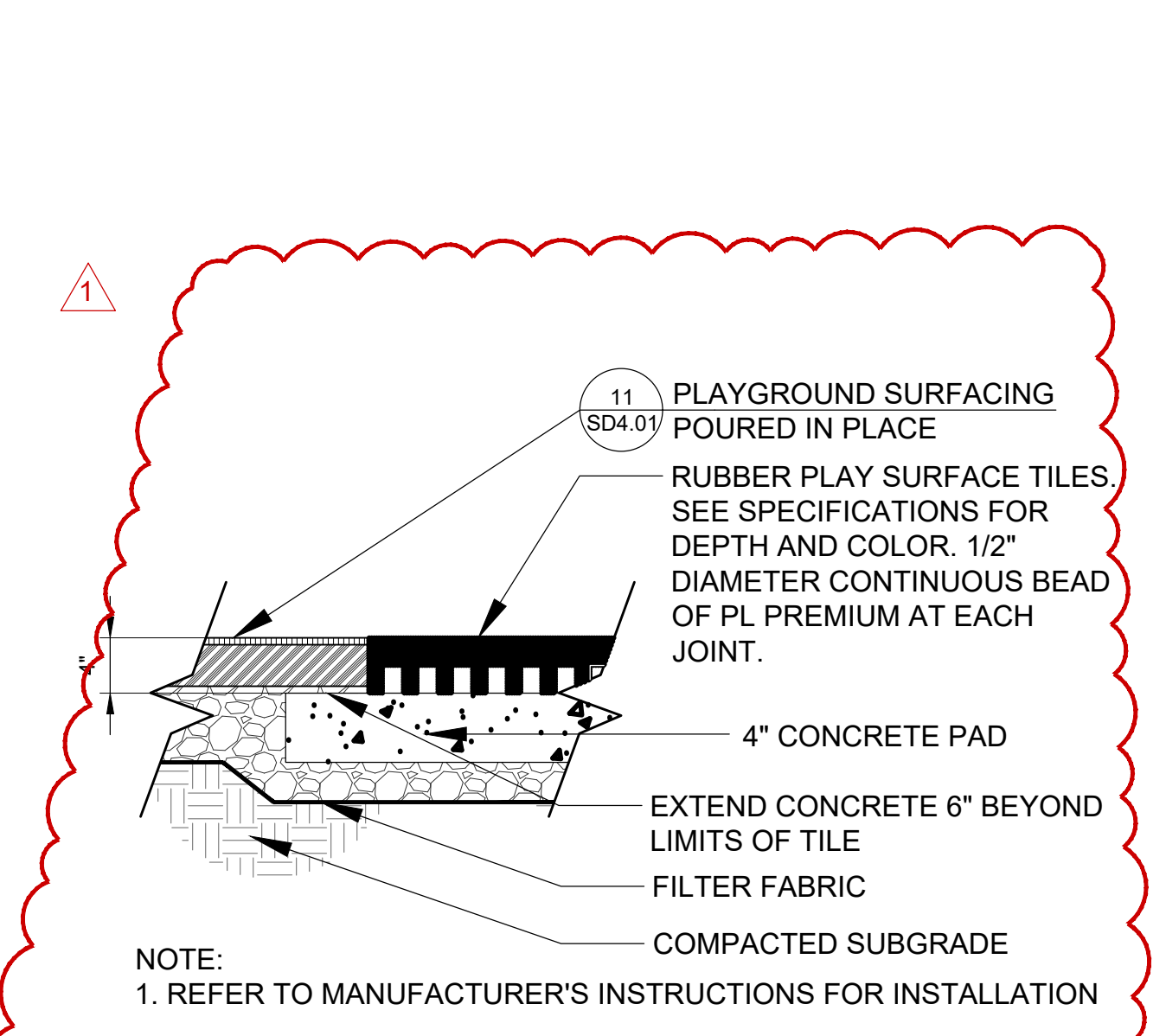
7 BASEBALL BOLLARD
 SCALE: 1 1/2" = 1'-0"



8 PLANTER ON STONE BASE
 SCALE: 1 3/4" = 1'-0"



9 BACKSTOP FOOTING
 SCALE: 3/4" = 1'-0"



10 RUBBER TILE
 SCALE: 1" = 1'-0"

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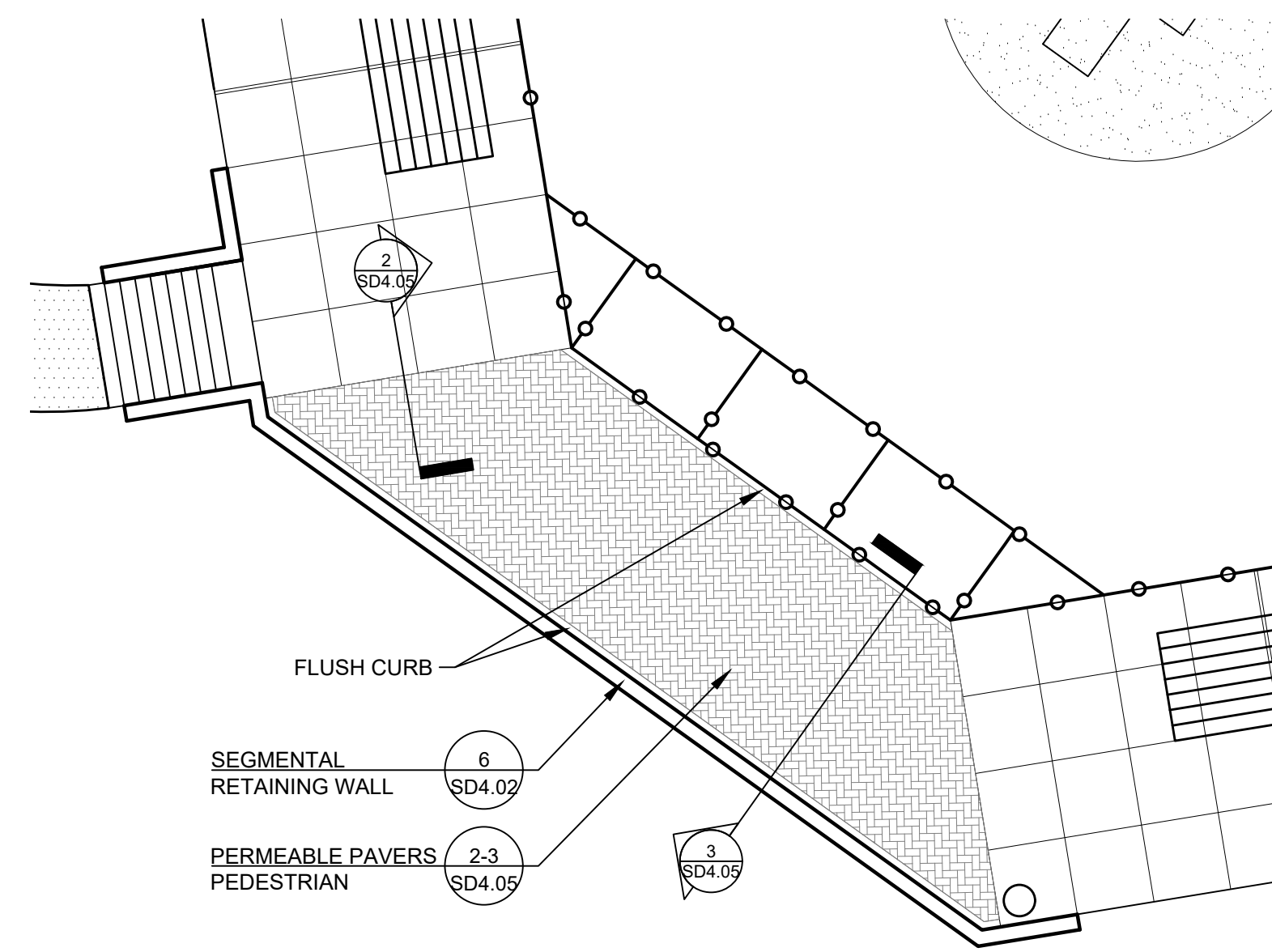
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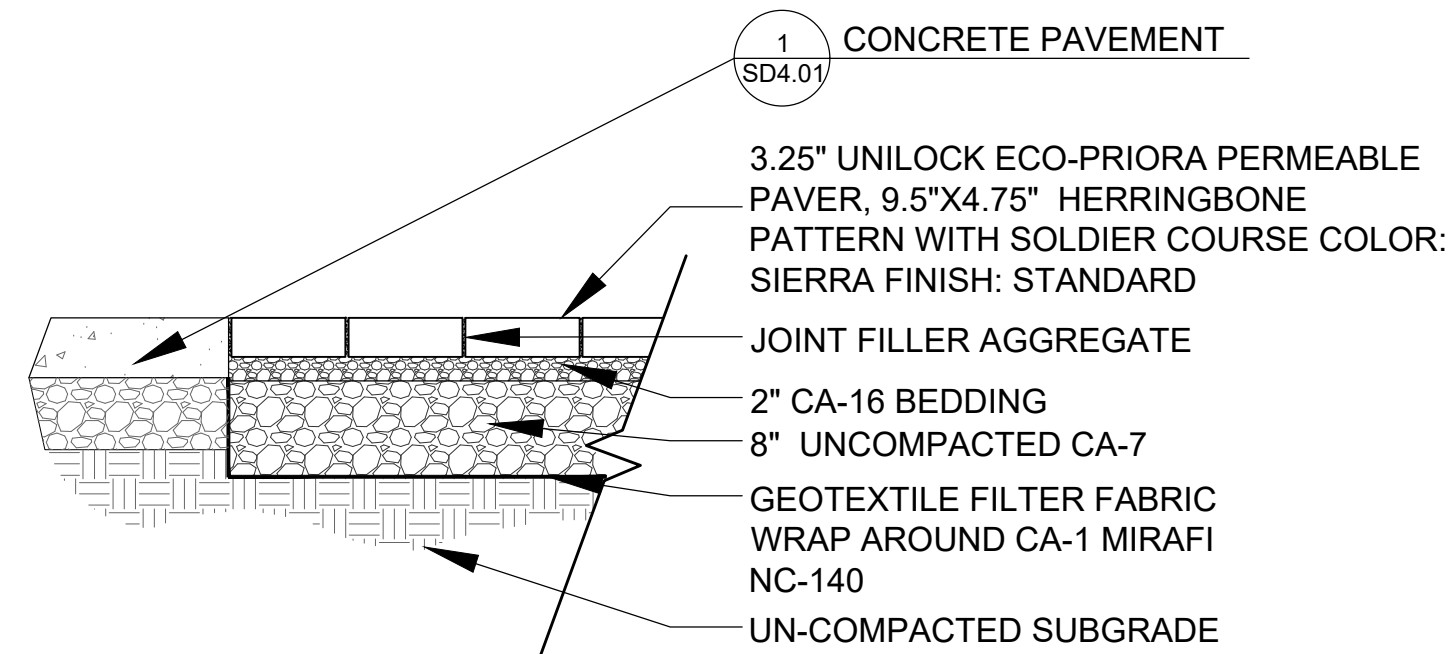
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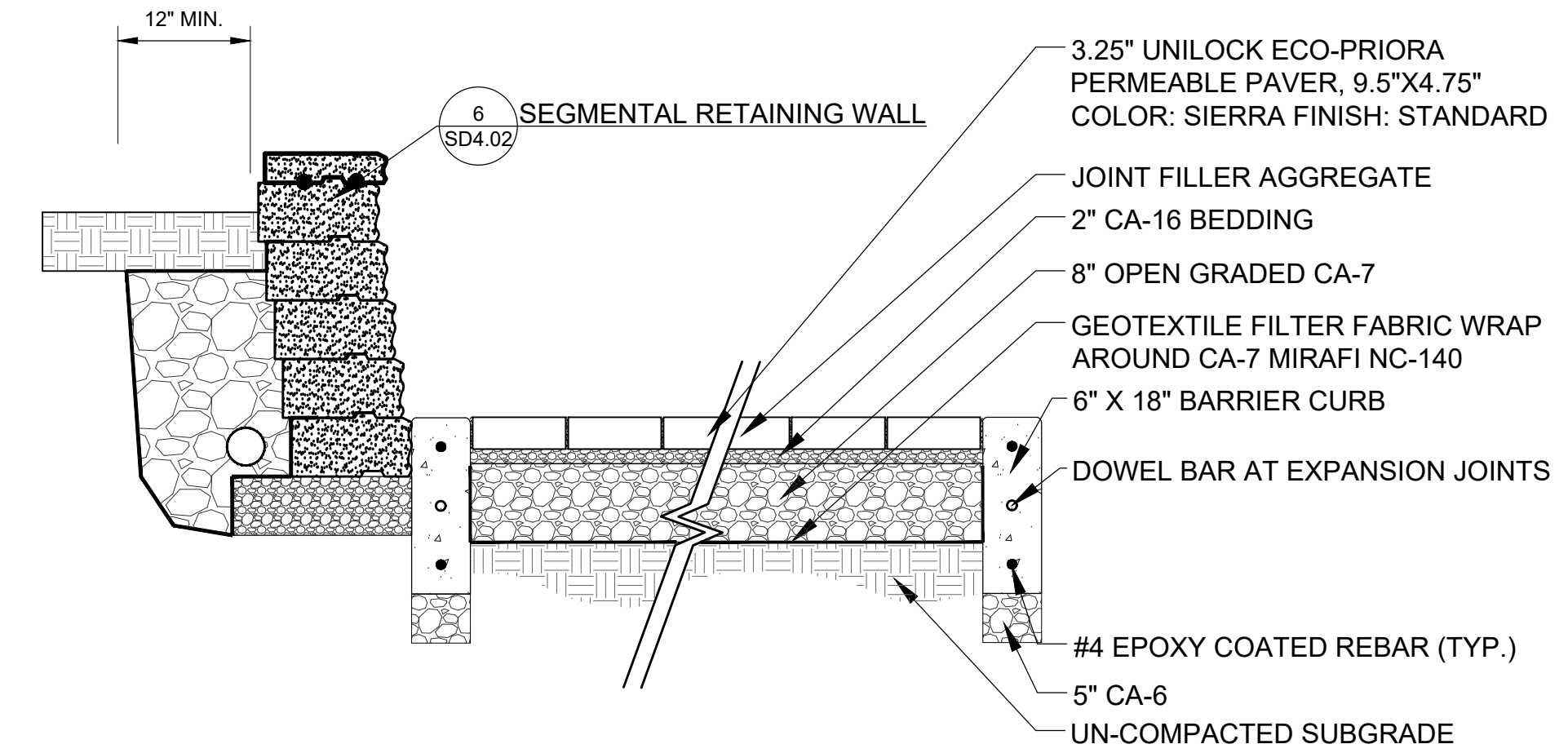
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1 PERMEABLE PEDESTRIAN PAVERS
 1"=10"

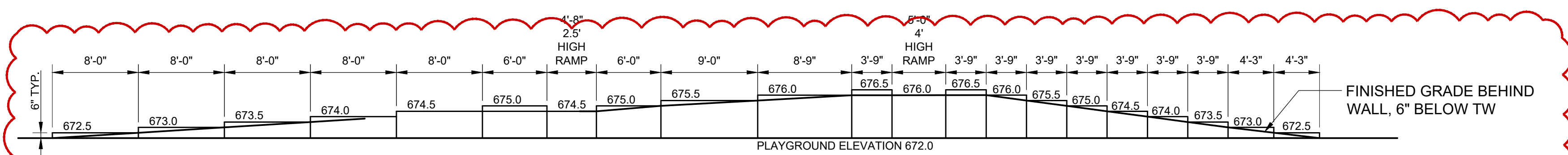


2 PERMEABLE PAVERS - PEDESTRIAN
 SCALE: 3/4" = 1'-0"

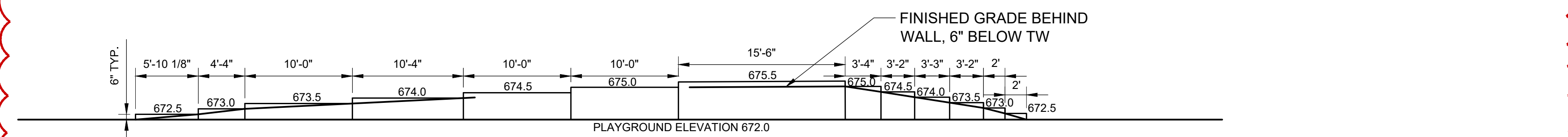


NOTE: SUBGRADE PITCHES MIN. 1.0% TO UNDERDRAIN.
 SEE GRADING PLAN

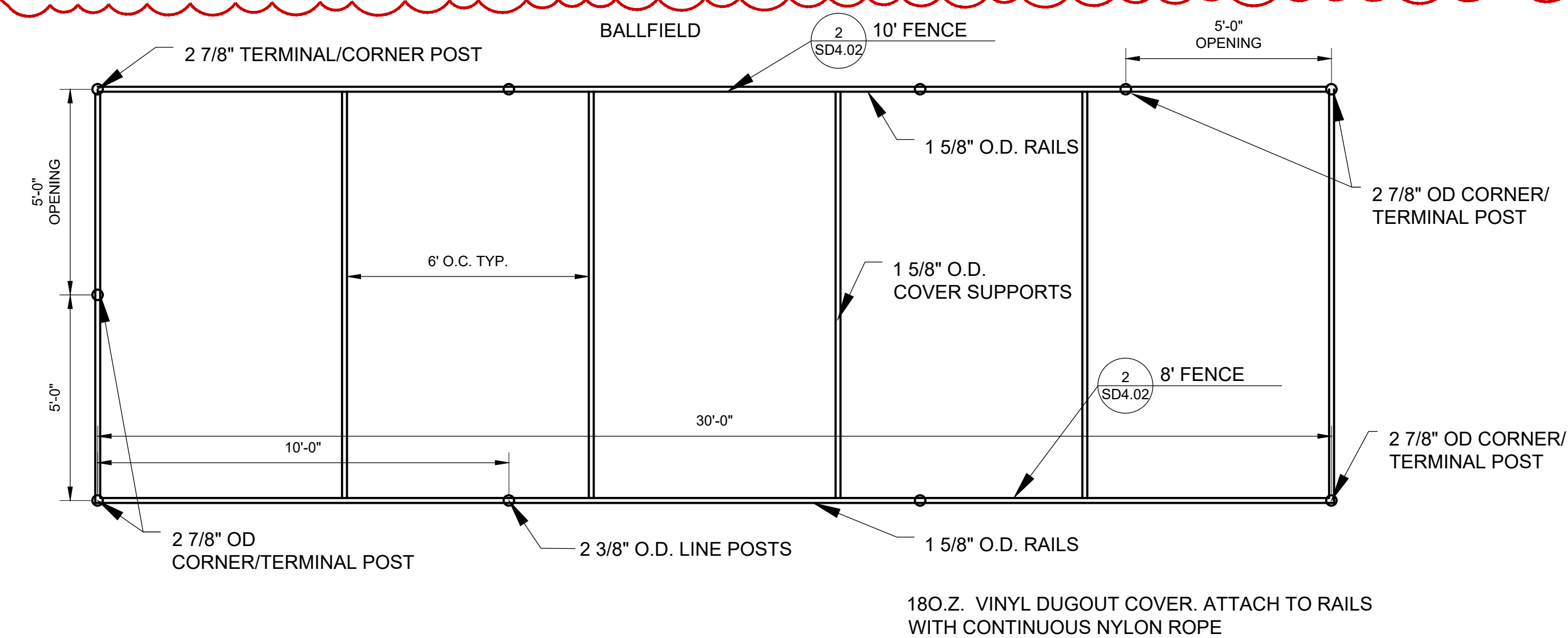
3 PERMEABLE PAVERS - PEDESTRIAN
 SCALE: 3/4" = 1'-0"



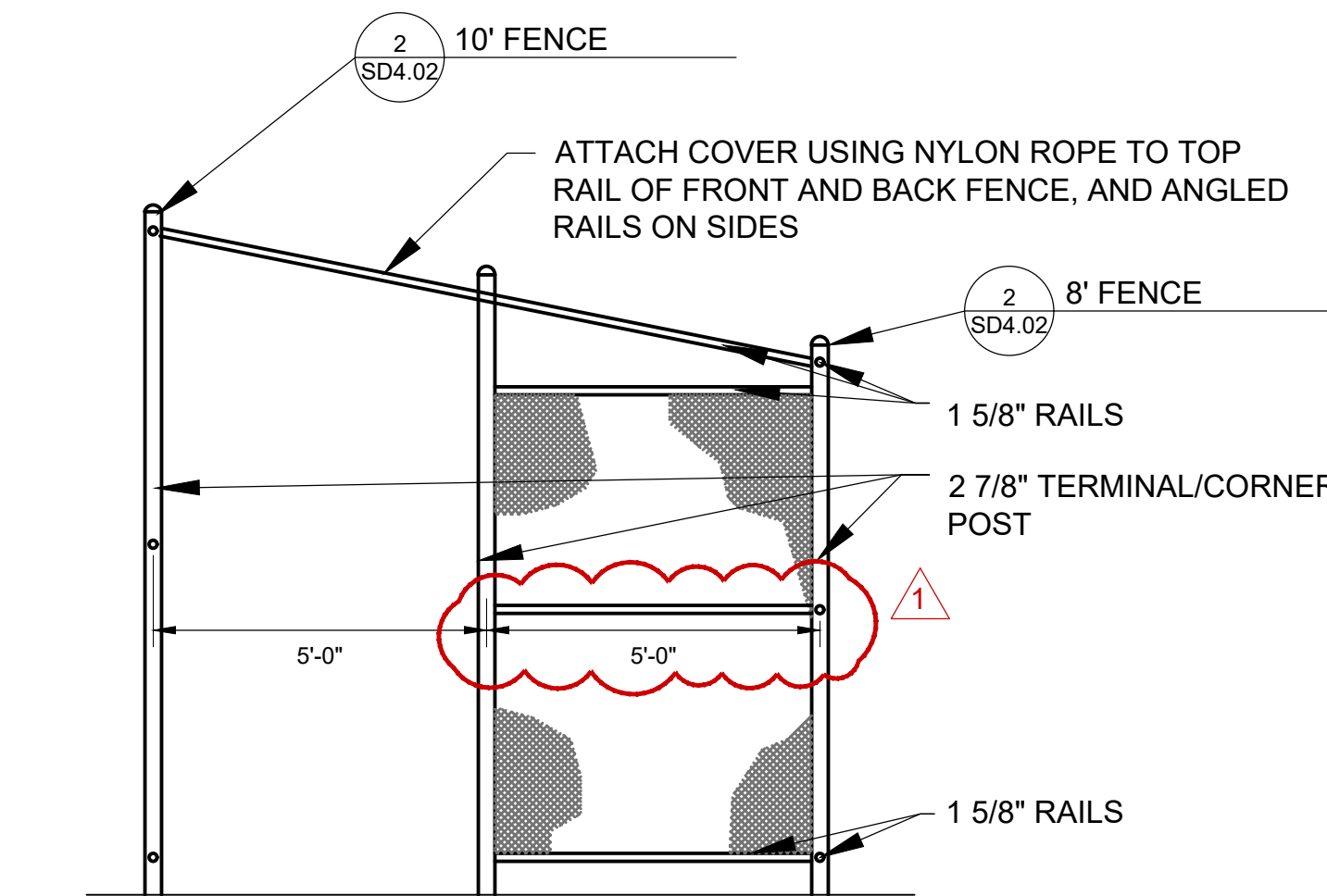
4 SEGMENTAL RETAINING WALL - PLAYGROUND WALL ELEVATION A
 SCALE: 1/8" = 1'-0"



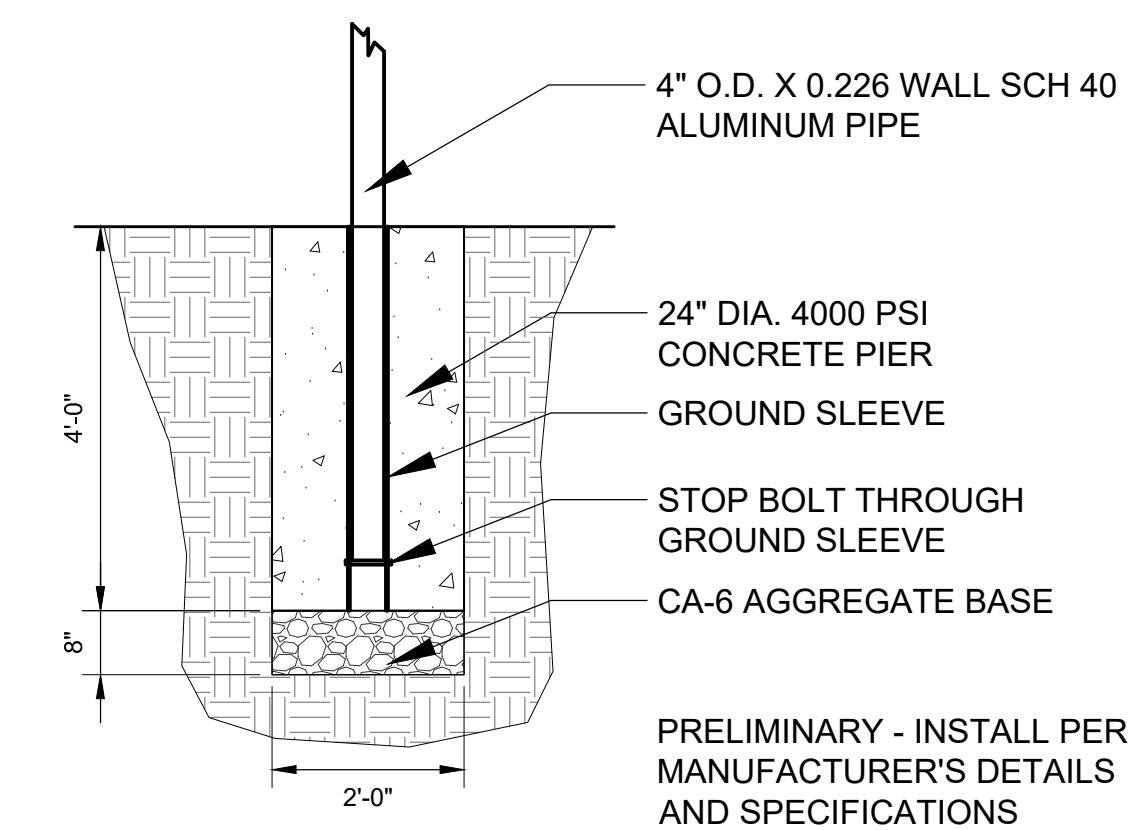
5 SEGMENTAL RETAINING WALL - PLAYGROUND ELEVATION B
 SCALE: 1/8" = 1'-0"



6 DUGOUT FRAME PLAN
 SCALE: 3/8" = 1'-0"



7 DUGOUT ELEVATION
 SCALE: 3/8" = 1'-0"



8 BARRIER NET FOOTING
 SCALE: 1/2" = 1'-0"

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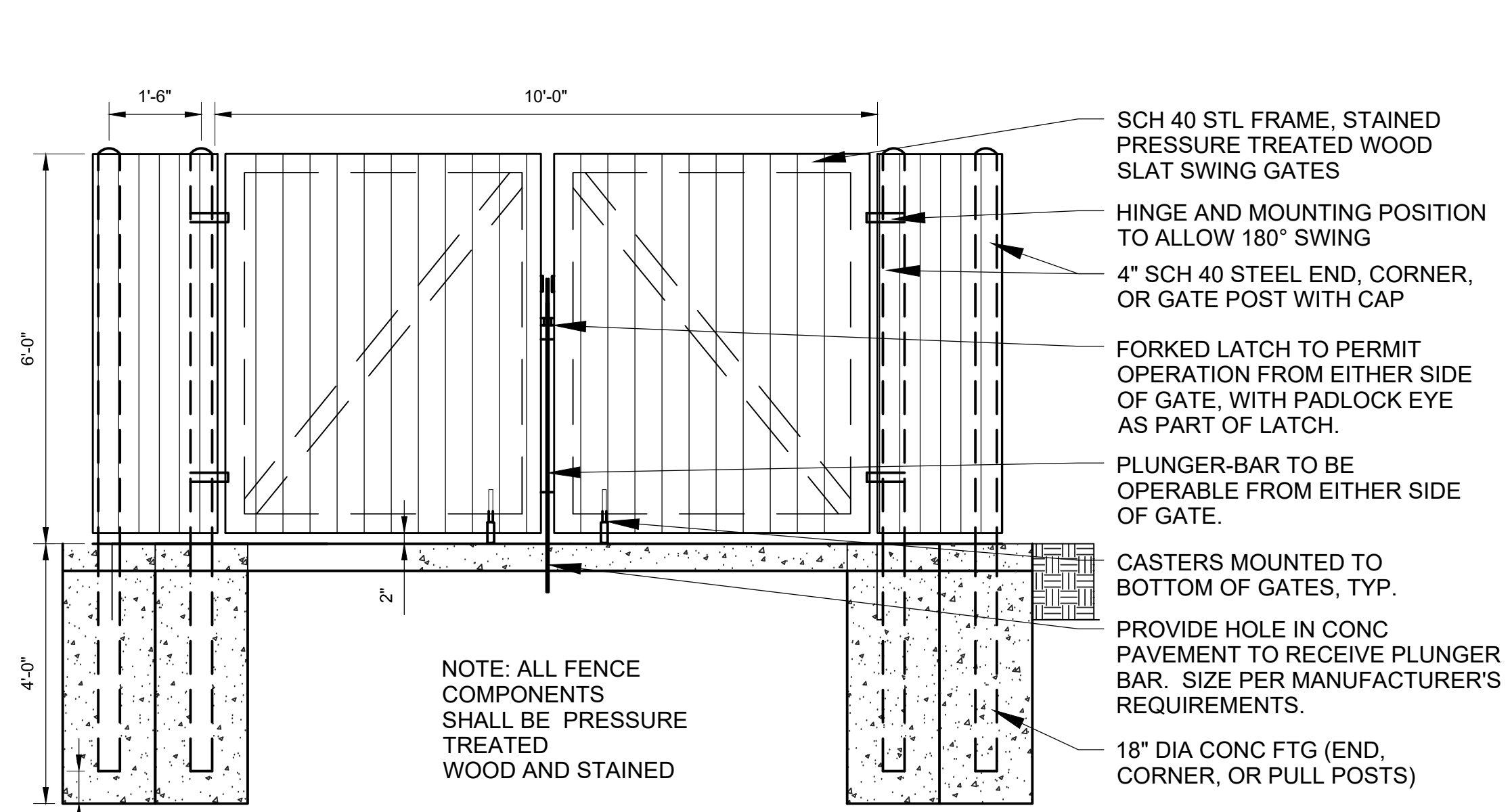
DETAILS

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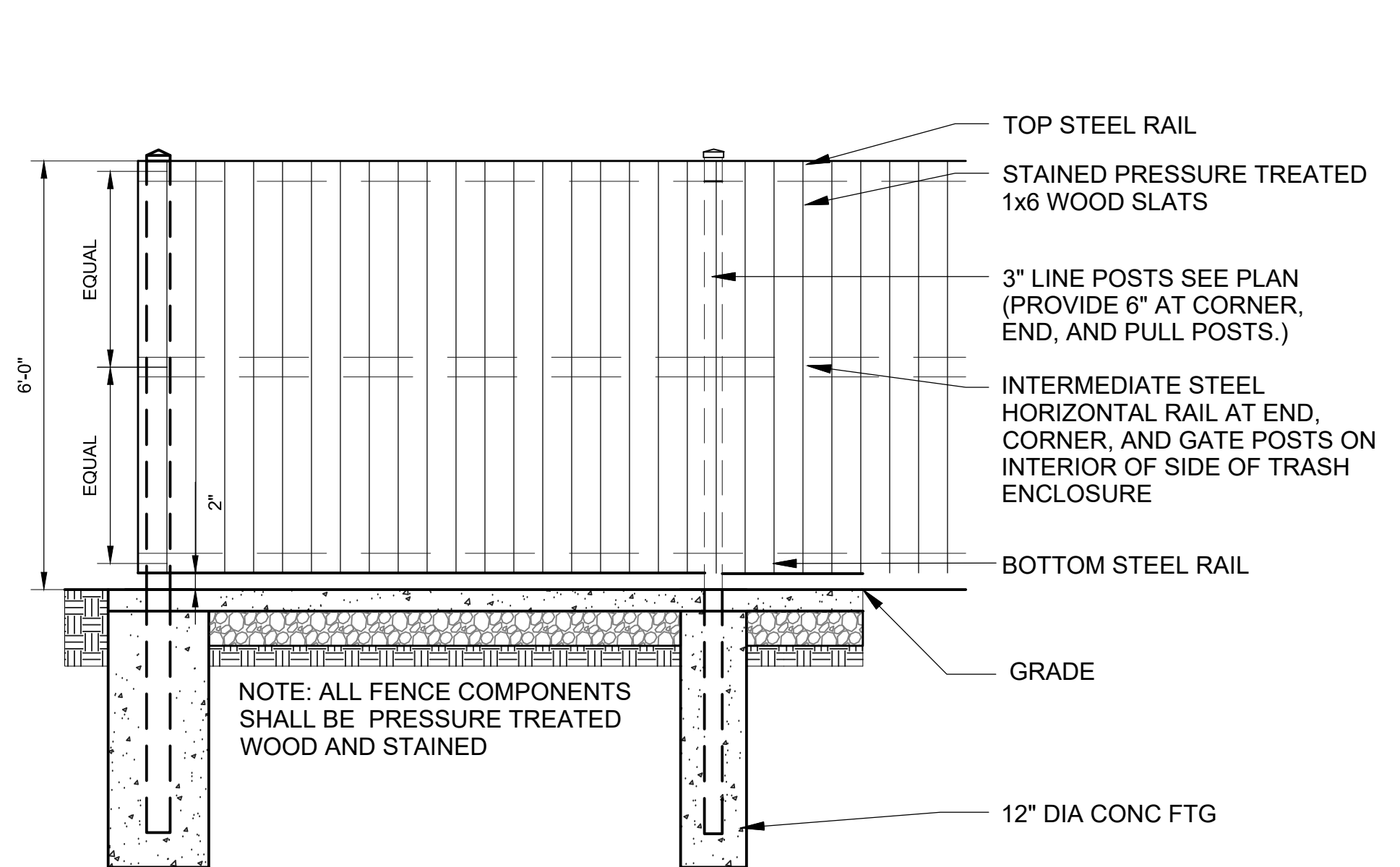
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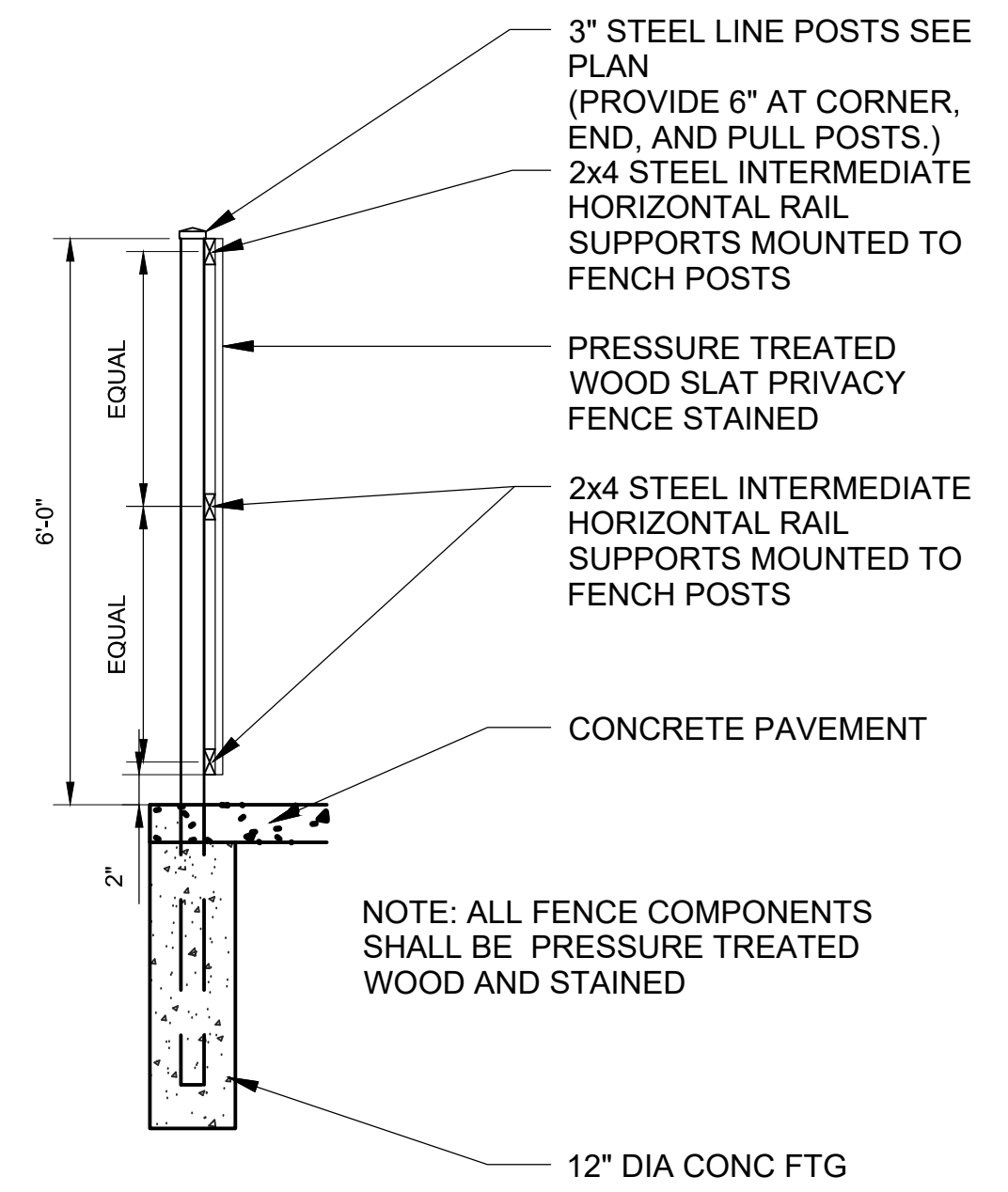
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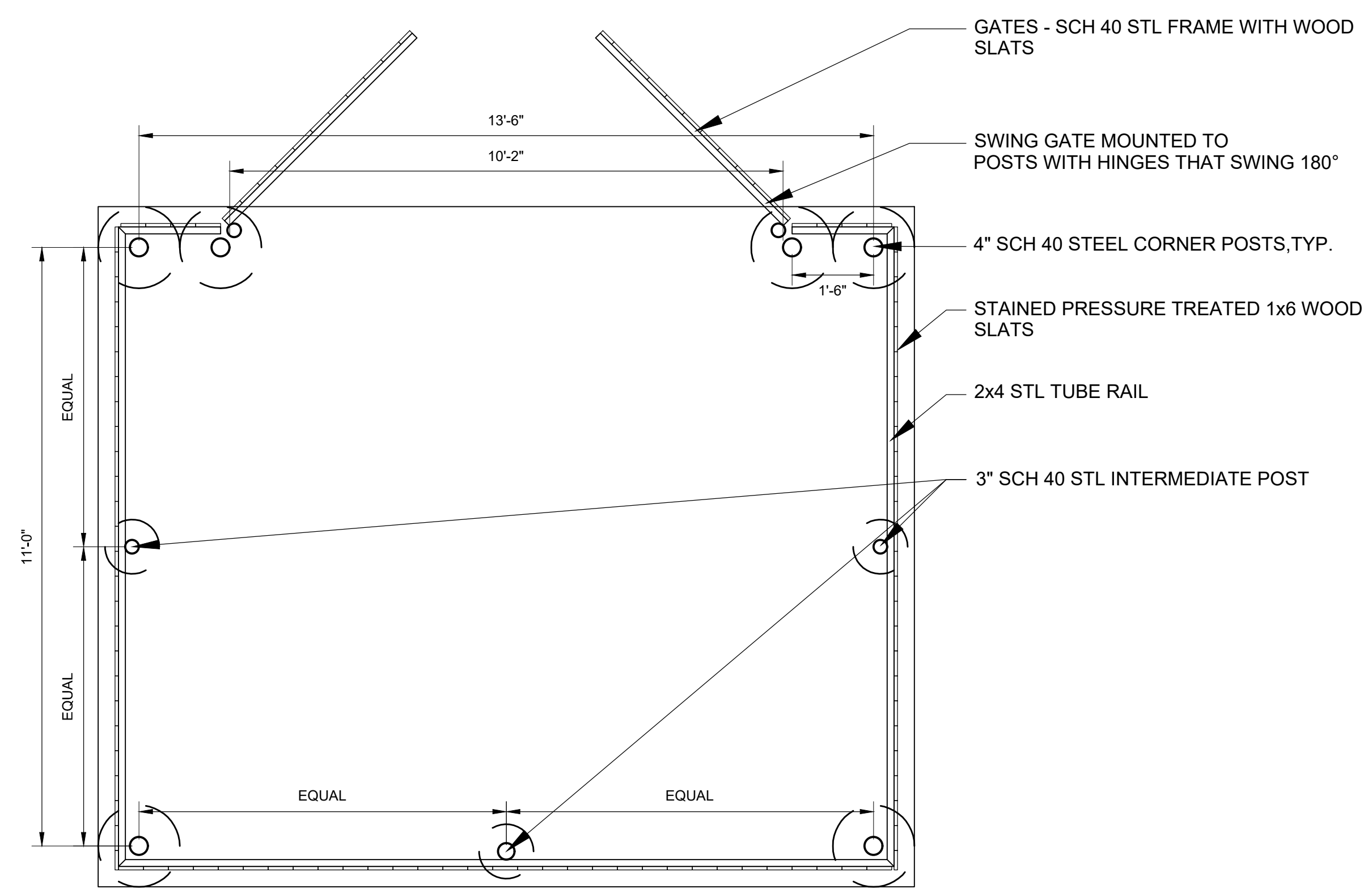
1 WOOD ENCLOSURE - GATE
 1/2" = 1'-0"



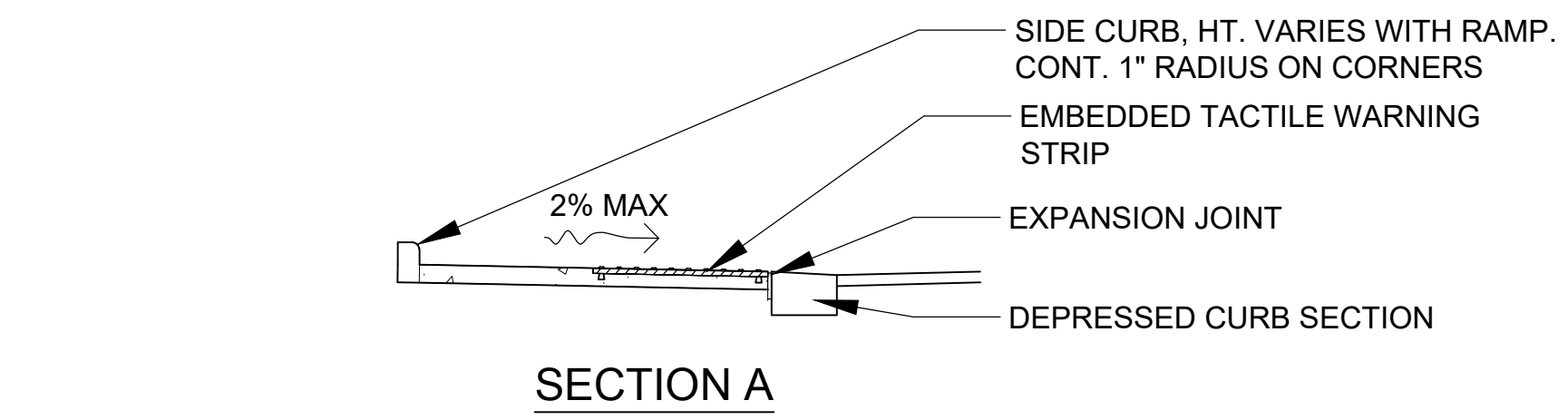
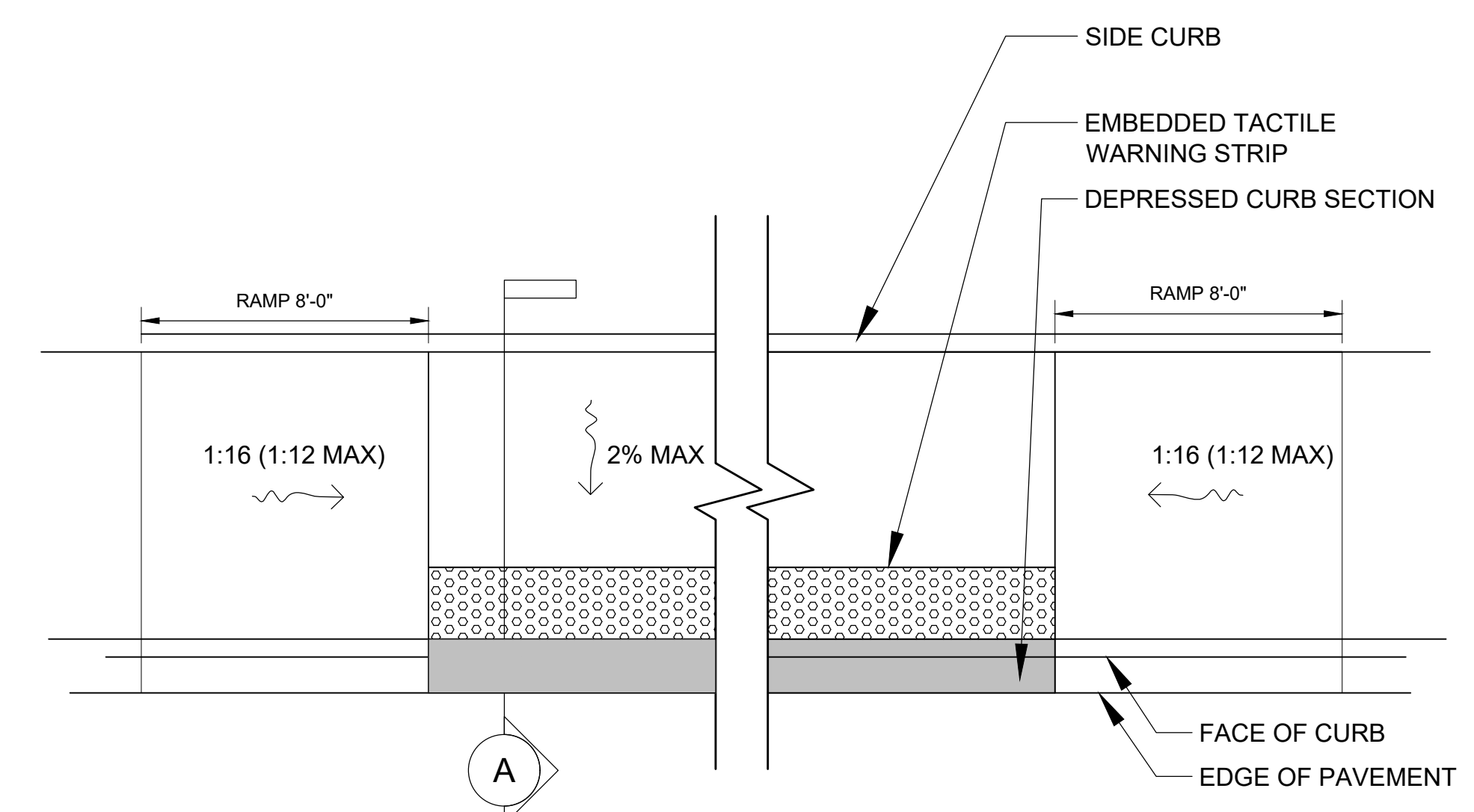
2 WOOD ENCLOSURE - SIDE
 1/2" = 1'-0"



3 WOOD ENCLOSURE - SECTION
 1/2" = 1'-0"



4 WOOD ENCLOSURE - PLAN
 1/2" = 1'-0"



5 ACCESSIBLE RAMP
 SCALE: 1/4" = 1'-0"



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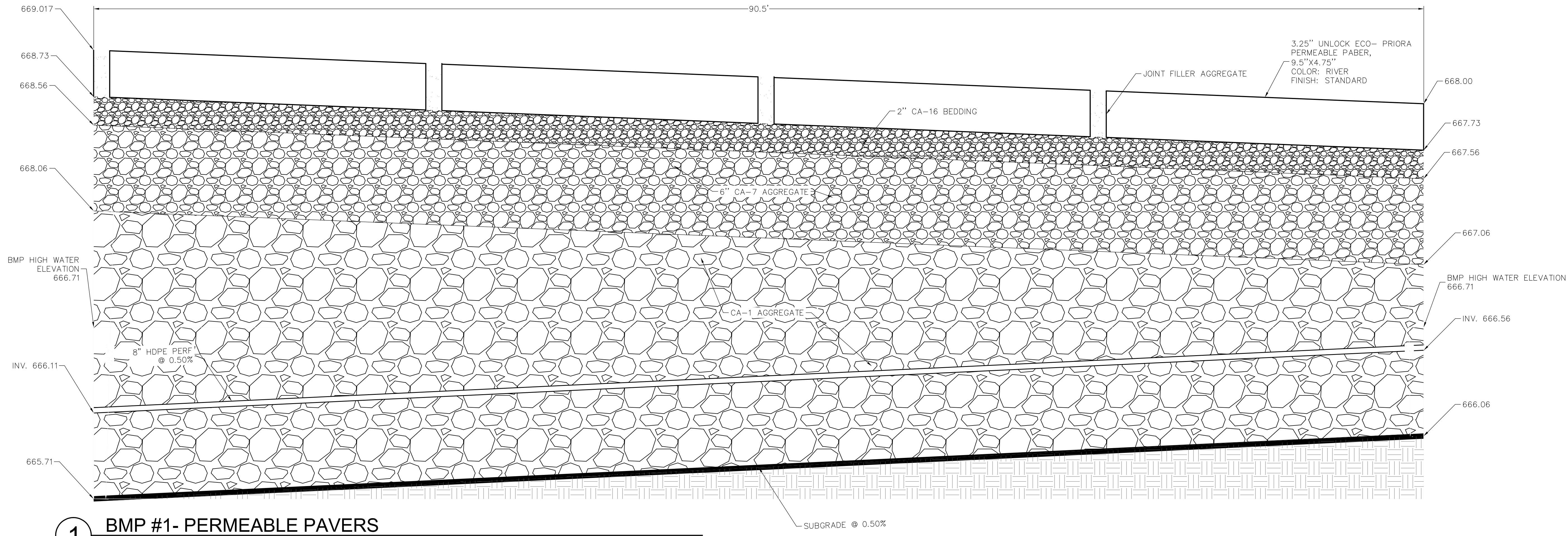
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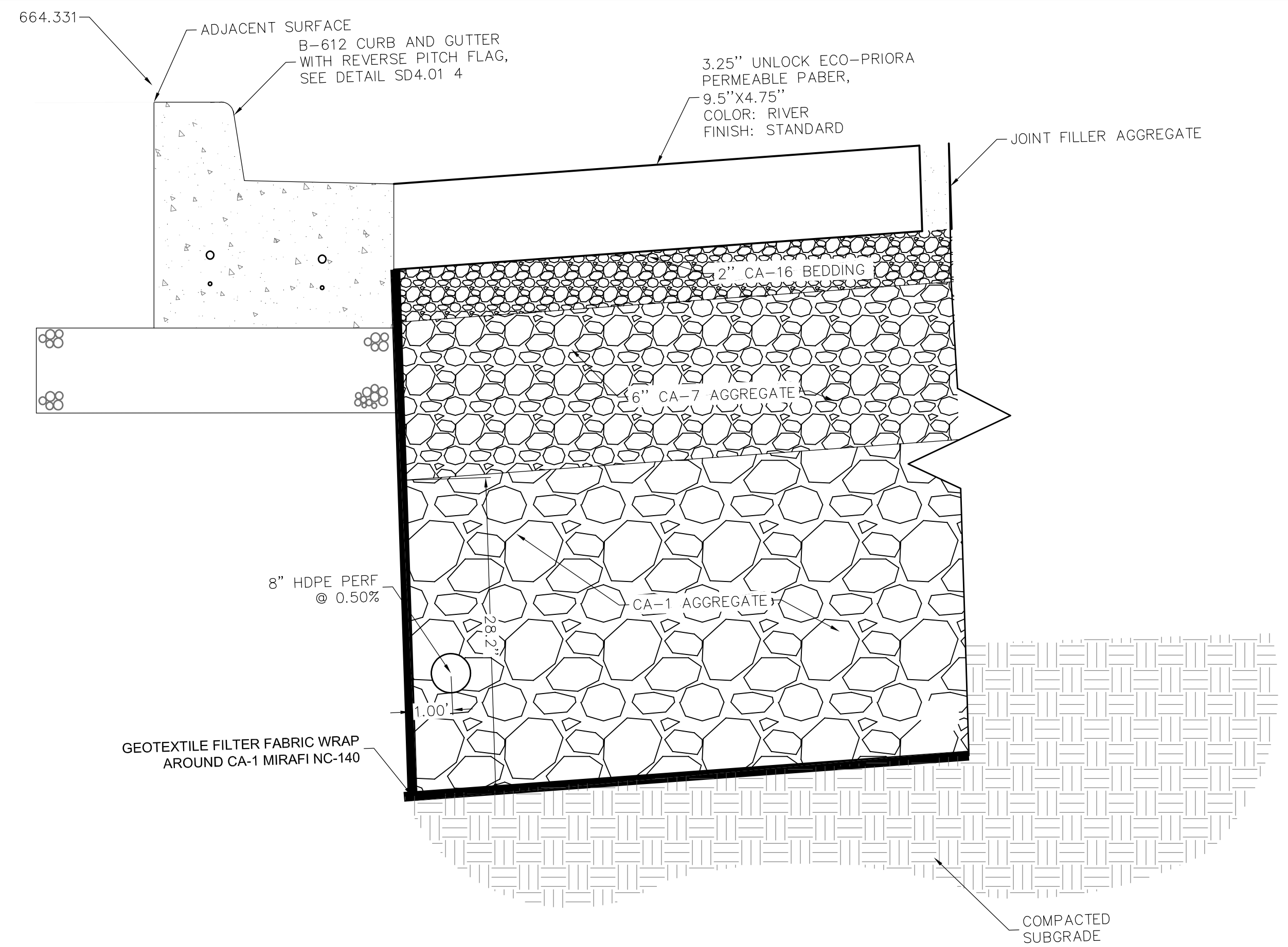
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1 BMP #1- PERMEABLE PAVERS
NTS



2 BMP #1- PERMEABLE PAVERS SECTION
NTS

AS-BUILT NOTE:
WITHIN BMP AREAS: FOR VERIFICATION OF BMP VOLUME AND SUBBASE GRADES, PRIOR TO BACK FILLING WITH CA-7. THE CONTRACTOR SHALL PROVIDE ENGINEER WITH A CERTIFIED TOPO SURVEY OF AS-BUILT SUBBASE GRADES FOR ENGINEER APPROVAL AND ALSO A COPY OF RECEIPT OF THE CA-7 AGGREGATE.

SEQUENCING NOTE:
BMP AREAS TO BE CONSTRUCTED TOWARDS THE END OF CONSTRUCTION, AFTER THE DEMOLITION OF THE EXISTING SCHOOL AND PRIOR TO INSTALLATION OF LANDSCAPE AND FINAL SITE STABILIZATION.

VOLUME TYPE	POROSITY	MEDIA VOLUME	STORAGE VOLUME	VOLUME PROVIDED
CA-1 AGG. (ABOVE BMP LINE)	0.36	$V_A = 1,527$ CF	N/A	N/A
CA-1 AGG. (BELOW BMP LINE)	0.36	$V_B = 1,871$ CF	$0.36 \times V_B$	673 CF
TOTAL				673 CF



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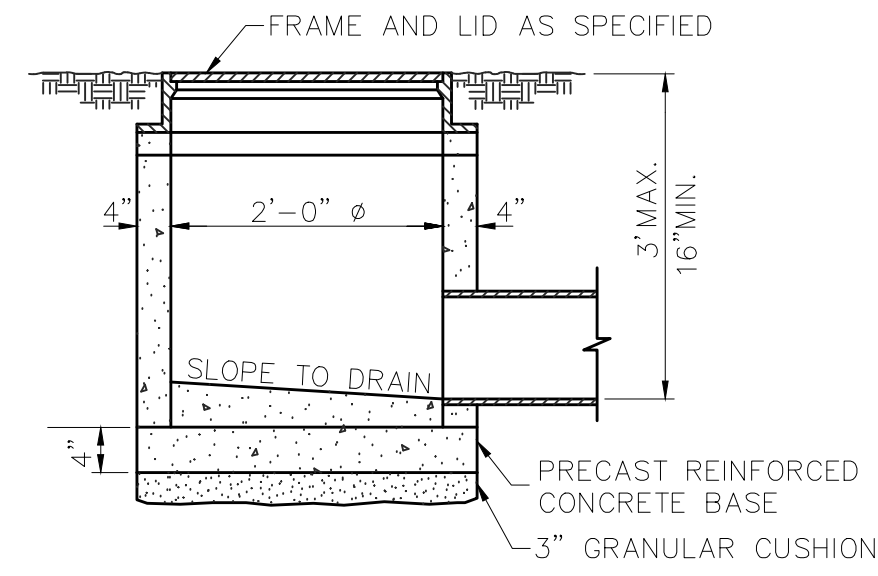
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NOTES:

INLETS SHALL BE OF PRECAST REINFORCED CONCRETE SECTIONS.

PIPE OPENINGS, AS INDICATED ON THE PLANS, SHALL BE CAST INTO THE WALL SECTIONS.

ALL INLETS SHALL BE CONSTRUCTED WITH A PRECAST REINFORCED CONCRETE BASE

ALL JOINTS BETWEEN PRECAST RISER, TOP SLAB SECTIONS, ADJUSTMENT RINGS AND CASTINGS SHALL BE SEALED WITH A BITUMASTIC MATERIAL.

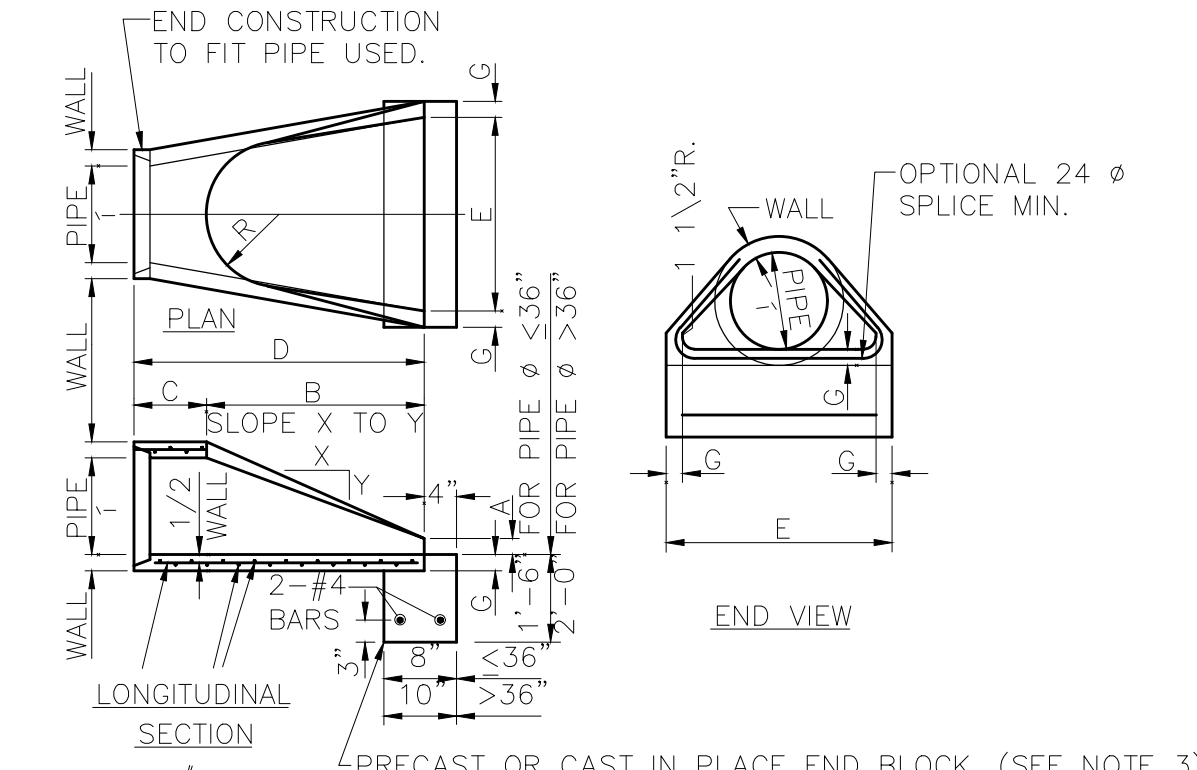
MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS.

STEPS SHALL BE IMBEDDED INTO THE WALL A MINIMUM OF 4" AND SHALL NOT BE EXTENDED ON THE OUTSIDE.

FRAME AND LID CASTING SHALL BE AS SPECIFIED ON THE PLANS.

THE CONTRACT UNIT PRICE FOR INLETS SHALL INCLUDE THE FRAME AND LID, STEPS AND THE GRANULAR CUSHION.

WHERE A FLAT TOP IS REQUIRED, IT SHALL BE PRECAST AND CONFORM TO IDOT STANDARDS

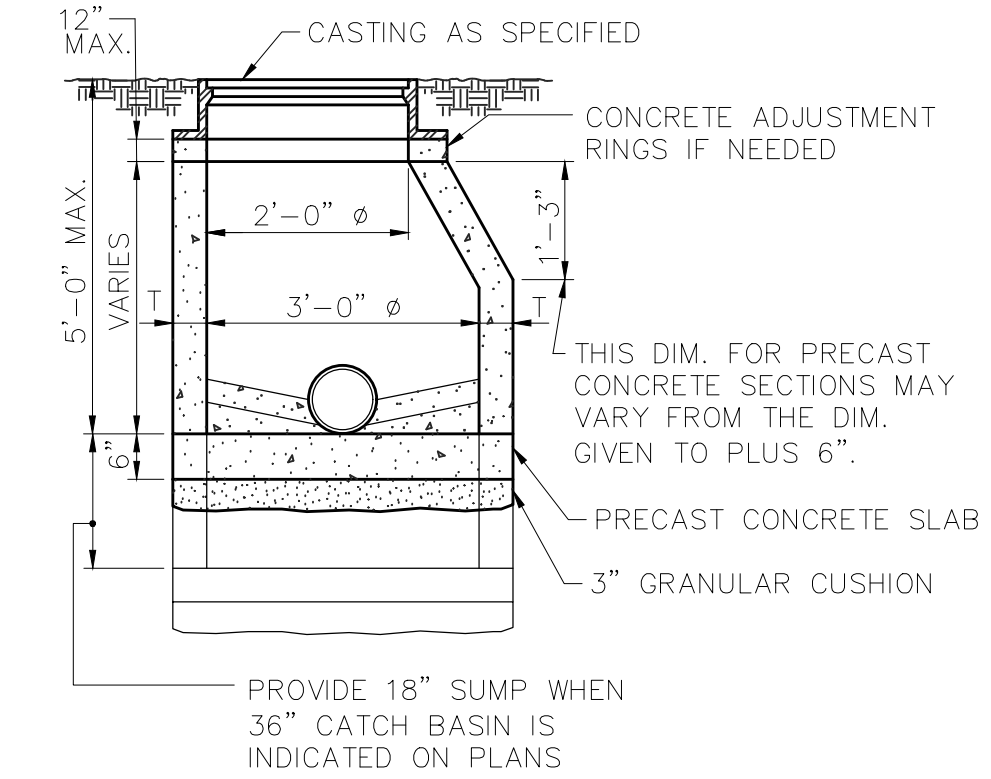


PRECAST OR CAST IN PLACE END BLOCK. (SEE NOTE 3)
 STANDARD REINFORCEMENT FOR CIRCULAR CL. III, WALL REINFORCED CONCRETE PIPE.

PIPE DIA.	APPROX. QTY. (lbs)	WALL	A	B	C	D	E	G	R	APPROX. SLOPE
(10)	(530)	(2)	(4)	(24)	(4'-0 7/8")	(6'-0 7/8")	(24)	(2)	(9)	1:2.4
(12)	(530)	(2)	(4)	(24)	(4'-0 7/8")	(6'-0 7/8")	(24)	(2)	(9)	1:2.4
(24)	(1520)	(3)	(9.5)	(3'-7.5")	(30)	(6'-1.5")	(4'-0")	(3)	(14)	1:2.5
(30)	(2190)	(3)	(12)	(4'-6")	(19)	(6'-1")	(5'-0")	(3)	(15)	1:2.5

NOTES:

- PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CL. III, WALL B REINFORCED CONCRETE PIPE.
- PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
- THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACK-FILLED IN ACCORDANCE WITH ART. 502.11 OF THE STANDARD SPECIFICATIONS, COST INCIDENTAL TO END SECTION.
- PROVIDE STEEL GRATES PER I.D.O.T. STANDARDS 2364 & 2375 ON END SECTIONS FOR 24" & LARGER PIPE.
- CONTRACTOR HAS THE OPTION TO PROVIDE A CASTING-IN-PLACE REINFORCED CONCRETE END SECTION OF THE DIAMETER SPECIFIED IN ACCORDANCE WITH IDOT STANDARD 542001 OR 542101 AS APPROPRIATE.

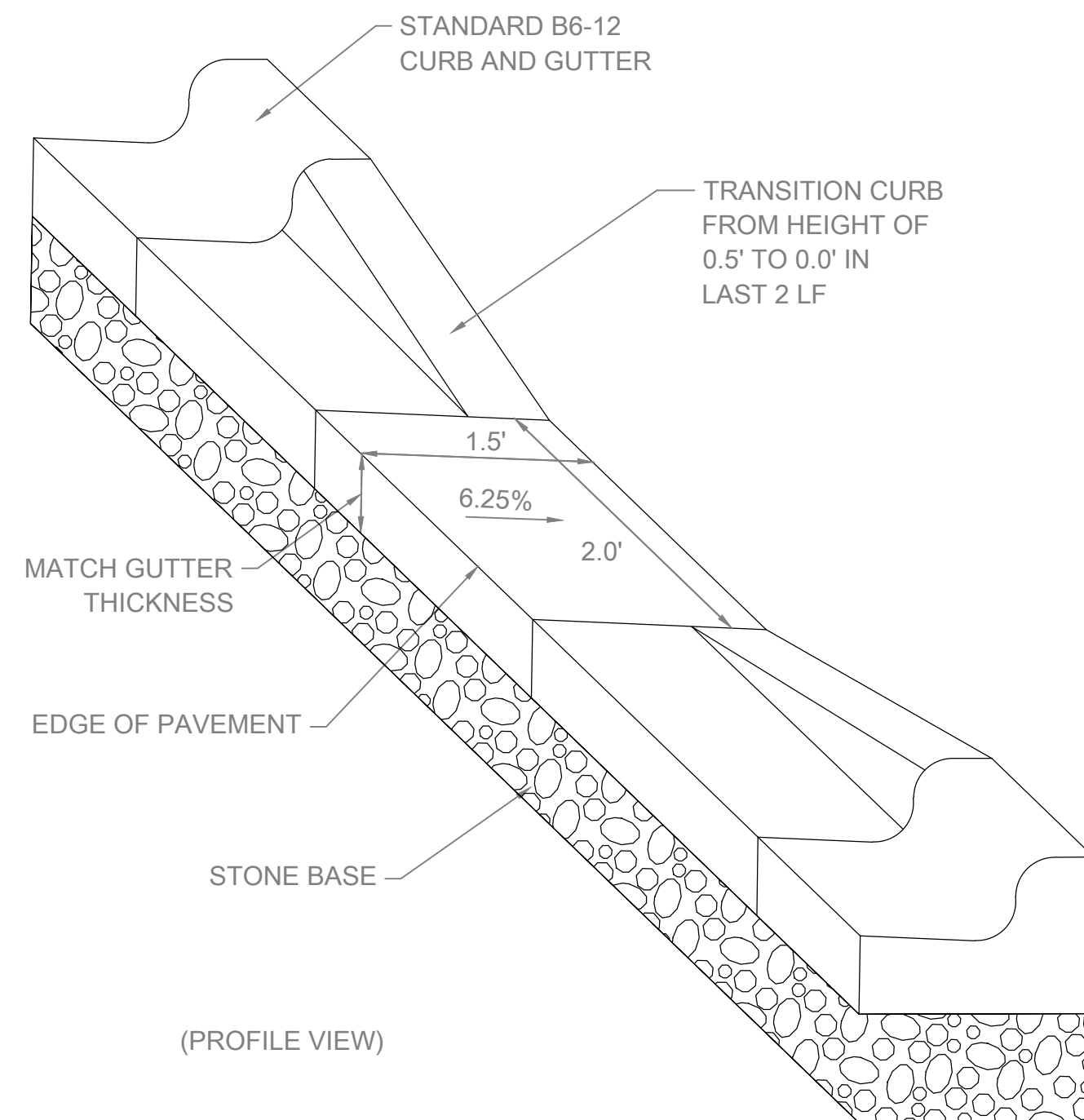


ALTERNATE MATERIALS FOR WALLS	T (MIN)
PRECAST REINFORCED CONCRETE RISERS	3"
CONCRETE MASONRY UNITS	5"

NOTES:

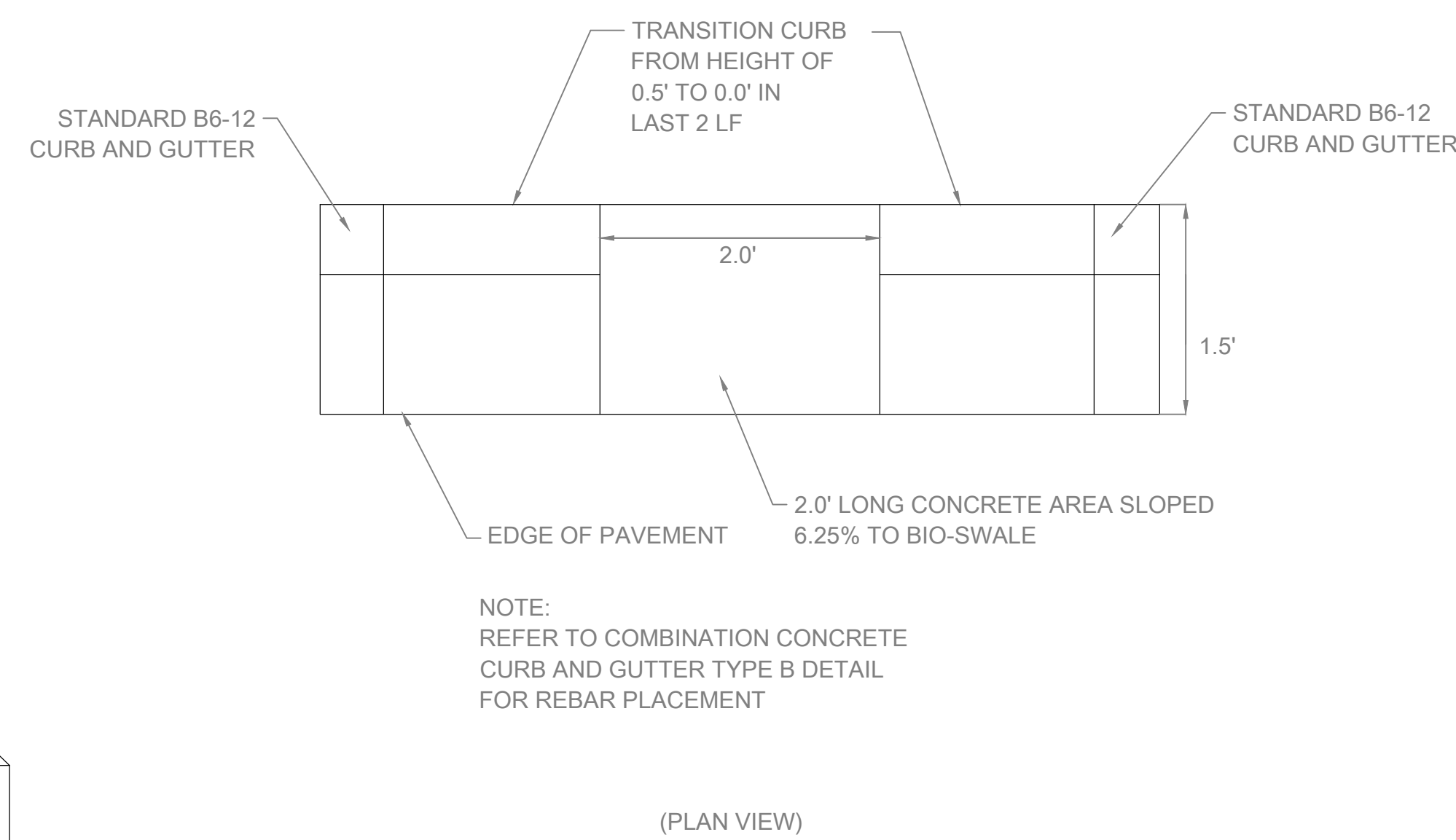
- STRUCTURES SHALL BE OF PRECAST CONCRETE SECTIONS UNLESS SPECIFIED OTHERWISE.
- PIPE OPENINGS, AS INDICATED ON THE PLANS, SHALL BE CAST INTO THE WALL SECTIONS.
- ALL JOINTS BETWEEN PRECAST RISER SECTIONS, ADJUSTMENT RINGS AND FRAME SHALL BE SEALED WITH A BITUMASTIC MATERIAL.
- SLOPE INVERT TO DRAIN. PROVIDE CIRCULAR FLOW CHANNEL IN STRUCTURES THAT HAVE BOTH INLET AND OUTLET PIPES.
- FRAME AND/OR GRATE CASTING SHALL BE AS SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
- THE CONTRACT UNIT PRICE PER STRUCTURE SHALL INCLUDE THE FRAME AND/OR GRATE SPECIFIED AND THE GRANULAR CUSHION.

1 24" INLET & CATCH BASIN
NTS



4 CURB CUT DETAIL
NTS

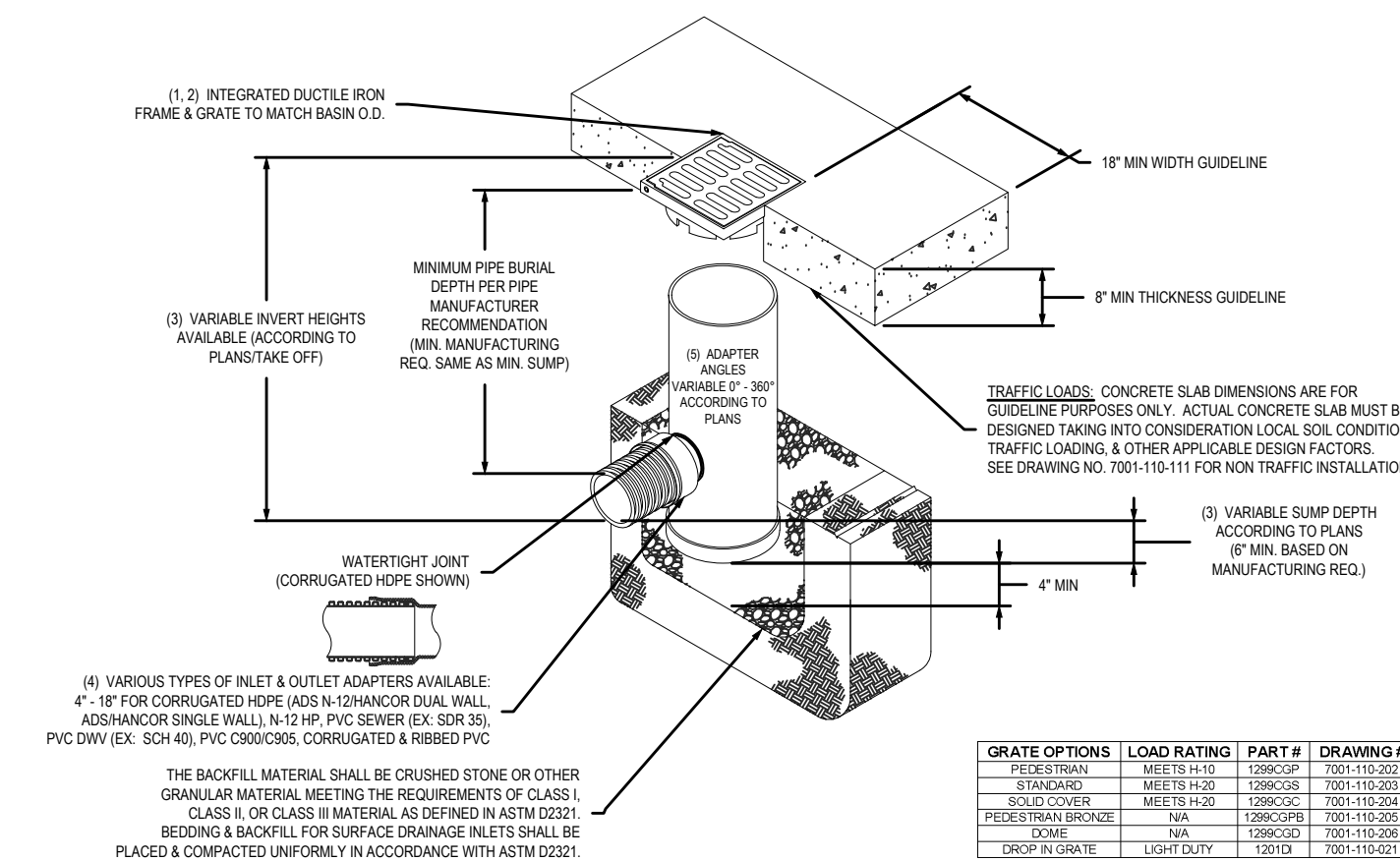
2 PRECAST CONCRETE FLARED END SECTION
NTS



NOTE:
REFER TO COMBINATION CONCRETE CURB AND GUTTER TYPE B DETAIL FOR REBAR PLACEMENT

5 CURB CUT DETAIL
NTS

3 36" INLET & CATCH BASIN
NTS



- GRATES/SLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-02 WITH THE EXCEPTION OF THE BRIDGE GRATE.
- FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-02.
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RINGS ARE NEEDED FOR BASIN OVER BY DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 700-110-020.
- DRAINAGE CONNECTIONS TO JOINT TIGHTNESS SHALL CONFORM TO ASTM D2231 OR COMBUSTIBLE JOINT TIGHTNESS SHALL CONFORM TO ASTM D2231.
- ADAPTERS CAN BE ORDERED IN AN ANGLE OF 10, 20, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180, 200, 225, 240, 270, 300, 315, 330, 345, 360 DEGREES. SEE DRAWING NO. 700-110-012.

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PERFORATED	MEET TO 10	120000P	700-110-020
PERFORATED	MEET TO 20	120000P	700-110-020
SOLID COVER	MEET TO 10	120000C	700-110-020
PERFORATED	MEET TO 10	120000P	700-110-020
PERFORATED	MEET TO 20	120000P	700-110-020
PERFORATED	MEET TO 30	120000P	700-110-020

3 NYLOPLAST 12" & 18" DRAIN BASIN
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